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ABSTRACT

This report provides statistical information on the total amount of money allocated for scientific and engineering research, including money for the construction of the facilities wherein such research is conducted, that was received by each educational institution and appropriate nonprofit organization in the United States, by grant, contract, or other arrangement from agencies of the Federal Government for fiscal year (FY) 1989. It is noted that the federal agencies included in the report provide virtually all funding for science and engineering (S&E) and research and development (R&D) at universities and colleges. Statistical tables include funding trend analyses for academic science and engineering obligations; the rankings of institutions by order of amount received, FY 1989; federal science and engineering obligations to university-administered federally-funded research and development centers (FFRDC); and federal obligations to independent nonprofit institutions and nonprofit-administered FFRDCs. In addition, R&D and S&E funding tables are presented for historically black colleges, as well as listings of institutions by state for FY 1989, by type of institutional control, and by geographic distribution. (GLR)

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ED338152

A Report to the President and Congress

Federal Support to Universities, Colleges, and Nonprofit Institutions:

Fiscal Year 1989

U.S. DEPARTMENT OF EDUCATION
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Surveys of Science Resources Series
National Science Foundation

Detailed Statistical Tables
NSF 91-316 Final

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A Report to the President and Congress

Federal Support to Universities, Colleges, and Nonprofit Institutions:

Fiscal Year 1989

Principal Author: Richard J. Bennof

Surveys of Science Resources Series
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LETTER OF TRANSMITTAL

Washington, D.C.

Dear Mr. President:

I have the honor to transmit to you the statistical report, *Federal Support to Universities, Colleges, and Nonprofit Institutions: Fiscal Year 1989*, in accordance with the National Science Foundation Act of 1950, as amended.

Respectfully,

Walter E. Massey
Director
National Science Foundation

The Honorable

The President of the United States

Identical letters have been sent to:
The President of the Senate
The Speaker of the House of Representatives

FOREWORD

Institutions of higher education are the major source of the Nation's scientists and engineers, and they perform about one-half of the Nation's basic research. Therefore, the level, distribution, and characteristics of Federal academic support are of great interest to officials in Federal, State, and local governments and in the private sector.

The National Science Foundation Act of 1950, as amended, requires that the Foundation "...initiate and maintain a program for the determination of the total amount of money for scientific and engineering research, including money allocated for the construction of the facilities wherein such research is conducted, received by each educational institution and appropriate nonprofit organization in the United States, by grant, contract, or other arrangement from agencies of the Federal Government, and to report annually thereon to the President and the Congress." To fulfill this requirement, the Foundation has utilized the data collection system originally designed by the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. The Foundation annually collects statistical data from the 15 Federal agencies that account for virtually all Federal support for science and engineering (S&E) research and development at educational and selected nonprofit institutions.

Since its inception, this survey system has been the sole source of data on Federal funding to individual institutions for both S&E and non-S&E activities. These data provide information on sources of support for individual institutions over time, classified by field of S&E, geographic division, and other aspects of funding.

We are grateful for the continued cooperation of the responsible staff members in the participating agencies, and we appreciate their efforts to assist us in ensuring the quality of their data submissions.

Kenneth M. Brown
Director
Division of Science Resource Studies

August 1991

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GENERAL NOTES

The data presented in these tables represent all categories of direct Federal support to institutions of higher education in the United States. The 15 Federal agencies included here provided virtually all funding for science and engineering (S&E) research and development (R&D) at universities and colleges. In addition, data are reported on these agencies' obligations to nonprofit institutions and to federally funded research and development centers (FFRDCs).

Data limitations and relationship of this survey to the Survey of Federal Funds for Research and Development:

Data presented in this report on R&D and R&D plant by agency sometimes conflict significantly with such data presented in the annual NSF survey, Federal Funds for Research and Development, referred to hereafter as the Federal Funds survey. The treatment of interagency transfers explains much of the difference in the totals. Interagency transfers of funds obligated to an academic or nonprofit institution are reported in the Federal Support survey by the agency that actually obligates the funds to the receiving institution. In the Federal Funds reports, however, obligations are reported by the initiating agency. Each of several agencies utilizes personnel from separate internal offices to respond to the two individual surveys, and they frequently collect data from different sources. Data for the Federal Support survey, for example, are generally processed from award files, whereas Federal Funds data are usually derived from agency budget documents. Respondents from the separate internal offices that participate in the two surveys also frequently differ in their interpretations of the survey questions. The National Institutes of Health, for example, reports its Biomedical Research Support Grants under "general support for science/engineering" in the Federal Support survey but under "research and development" in the Federal Funds survey. Regarding the structure of the surveys themselves, the data presented in this report differ in several ways from those presented in the report on the Federal Funds survey:

1. The two surveys differ in number of agencies involved. In the Federal Support survey, the 15 Federal agencies that obligate virtually all of Federal support to academic R&D collect data on all Federal obligations to institutions of higher education. For the Federal Funds survey, data are gathered on budgets for R&D and R&D plant from all 33 Federal agencies that conduct such programs.

2. The scope of information gathered differs between the two surveys: data collected in the Federal Support survey are on individual academic institutions, whereas those collected in the Federal Funds survey relate to all types of performers and to character of work (basic research, applied research, and development).

The fiscal year (FY) 1989 data shown in this report were submitted by the following Federal agencies, listed by the acronyms and abbreviated references under which data were reported for them:

AID - Agency for International Development
COM - Department of Commerce
DOD - Department of Defense
DOT - Department of Transportation
ED - Department of Education
EPA - Environmental Protection Agency
DOE - Department of Energy
HHS - Department of Health and Human Services
  ADAMHA - Alcohol, Drug Abuse, and Mental Health Administration
  CDC - Centers for Disease Control
  FDA - Food and Drug Administration
  HRSA - Health Resources and Services Administration
  NIH - National Institutes of Health
HUD - Department of Housing and Urban Development
INT - Department of the Interior
LABOR - Department of Labor
NASA - National Aeronautics and Space Administration
NRC - Nuclear Regulatory Commission
NSF - National Science Foundation
USDA - Department of Agriculture

The following abbreviated references are used throughout the report:

FFRDCs - federally funded research and development centers
FTTGs - fellowships, traineeships, and training grants
FY - fiscal year
n.e.c. - not elsewhere classified
Non-S&E - non-science & engineering
R&D - research and development
S&E - science & engineering

Obligations shown for universities and colleges do not include funds obligated to FFRDCs administered by academic institutions. FFRDCs are R&D-performing organizations that are formed to meet a particular Federal R&D objective that cannot be met effectively by existing resources. These organizations range from the traditional contractor-owned/contractor-operated (COCO) or Government-owned/contractor-operated (GOCO) organizational structures to various degrees of contractor/Government control and ownership. Academic S&E obligations to these organizations are presented separately, as are R&D obligations to independent nonprofit institutions and nonprofit-administered FFRDCs.

Totals presented here include tuition support programs such as Pell grants and Supplemental Educational Opportunity Grants (SEOGs). The data exclude programs involving loans to individuals, such as Federal guaranteed student loan programs sponsored by the Department of Education, and Federal employee training and development activities. Also excluded is financial support of an indirect nature, such as funds allocated to State agencies, even though the final recipient of such funds is known to be an academic institution.

Because of rounding, data shown in the text or tabulations may not add to the totals or subtotals. Reported obligations were rounded to the nearest thousand dollars.

Requests for additional information concerning survey results and for data tapes for the FY 1989 and prior survey years should be directed to Richard J. Bennof at the following address:

Division of Science Resources Studies
Room L-609
National Science Foundation
Washington, D.C. 20550
(202) 634-4673

Data for this survey are available on 5-1/4" double-sided double density diskettes suitable for use on an IBM-compatible personal computer. Persons interested in gaining access to the data on diskettes should contact the NSF Diskette Service, Room 609, 2000 L Street N.W., Washington, D.C. 20036, 202-634-4250.

Selected data items for individual graduate degree-granting institutions are available on computer-generated Institutional Profiles, which consist of data not only from this survey but also from NSF's other two academic S&E surveys: S&E expenditures at universities and colleges and graduate enrollment and postdoctorates. Institutional Profiles for any institution or limited group of institutions may be ordered by contacting Richard J. Bennof.

SECTION A. TECHNICAL NOTES

Scope of Survey

Data presented in this report are collected annually through NSF's Survey of Federal Support to Universities, Colleges, and Nonprofit Institutions. The survey originated in 1965, when the Committee on Academic Science and Engineering (CASE) within the Federal Council for Science and Technology (FCST) established the CASE data collection system in order to report annually to the FCST on Federal obligations to academic institutions and associated federally funded research and development centers (FFRDCs). Since 1968, CASE data, as well as data on selected nonprofit institutions, have also served as the basis for an annual report to the President and Congress.

This survey is designed to collect information from Federal agencies on (1) total program support in thousands of dollars (encompassing both S&E and non-S&E activities) to academic institutions, (2) total S&E support to FFRDCs administered by academic institutions, and (3) R&D and R&D plant support to selected nonprofit institutions and associated FFRDCs.

The FY 1989 data in this report were submitted by 15 Federal agencies, covering the period October 1, 1988, through September 30, 1989. Data reported by AID, HUD, Labor, NRC, and DOT were combined, because of space constraints, to constitute the "other" category in tables that show funding by agency. In 1989, these 5 agencies accounted for 1 percent of all Federal academic support. The 15 agencies in 1989 reported obligations to 2,756 universities and colleges, to 45 academic system offices, and to 791 independent nonprofit institutions. This report also includes data on 17 FFRDCs administered by universities and colleges and 11 FFRDCs administered by nonprofit institutions.

In FY 1989, HHS reported $256 million in fellowhips, traineeships, and training grants (FTTGs). An additional $9 million was reported by HHS for FY 1989 that could not be identified by institution or by S&E field. Therefore, to ensure consistency in table totals throughout the publication, the dollar totals were not included in the detailed statistical tables. These obligations are from the Indian Health Service and National Health Service Corps, HHS. The only data available are on the distribution of the FTTGs by State, which follow:

HHS' Indian Health Service and National Health Service Corps FTTGs

[Dollars in thousands]

State	Amount	State	Amount
Alaska	$164	Montana	$481
Alabama	24	Nebraska	132
Arkansas	40	New Mexico	546
Arizona	517	Nevada	58
California	657	New York	14
Colorado	88	North Carolina	203
Connecticut	39	North Dakota	910
D.C.	214	Ohio	280
Georgia	209	Oklahoma	877
Hawaii	54	Oregon	222
Idaho	60	Pennsylvania	72
Illinois	171	Puerto Rico	245
Iowa	46	Rhode Island	86
Kansas	89	South Dakota	249
Louisiana	271	Tennessee	278
Maine	17	Texas	57
Maryland	157	Utah	50
Massachusetts	153	Virginia	18
Michigan	118	Washington	164
Minnesota	141	West Virginia	104
Mississippi	31	Wisconsin	203
Missouri	368	Wyoming	23

In FY 1989, the Applied Physics Lab accounted for $372 million ($197 million for R&D) of Johns Hopkins' $379 million in total funding from DOD. During the FY 1987 survey cycle, DOD determined that some funds reported in prior years as R&D obligations to Johns Hopkins University were more appropriately classified as "other sciences/engineering." These funds were obligated to Johns Hopkins' Applied Physics Lab by the Department of the Navy, primarily for defense systems evaluations and improvements. Data for fiscal years 1986, 1985, and 1984 have been revised, but DOD was unable to make revisions to data prior to FY 1984. In addition, the FY 1984 R&D total for the Applied Physics Lab was revised downward.

During the FY 1987 survey cycle, ED determined that institution coding problems in earlier years caused its database to produce several large funding trend shifts at specific universities. Most of the large funding changes for academic institutions were from student financial-assistance programs (accounted for as non-S&E activities in this survey).

This report has been organized to focus on Federal S&E obligations to individual institutions in the B-series tables; data on non-S&E activities and total Federal obligations are presented in the C-series tables.

Data are shown for Federal obligations to institutions classified as historically black universities and colleges by type of activity, by agency, and by R&D obligations.

"R&D plant" in this report refers to large facilities and fixed equipment. Data on "research instrumentation" are not separately identifiable in this report. "Research instrumentation" funds are for equipment purchased under research project awards from current-fund accounts and are included under totals for "research and development."

Some agencies not surveyed, such as the Department of Justice, may account for a significant proportion of the total receipts at some institutions, even though those receipts may constitute a small proportion of total academic R&D.

Obligations figures listed for individual institutions reflect direct Federal support so that amounts subcontracted to other institutions are included. Those funds received via subcontract arrangements from prime contractors are excluded.

Federal obligations to institutions are presented on the basis of the individual institutions that are components of the system, but obligations awarded directly to the central administration of a system are listed separately. If the final destination of the funds is not known, however, the agencies report the funds as obligations to a system's administrative office, or "central system," from which the funds are distributed to the system's individual institutions.

Other Science Resources Studies Reports on Federal R&D Funding

In addition to the Federal Funds for Research and Development survey, the Division of Science Resources Studies (SRS) publishes two other reports related to Federal R&D funding.

Federal R&D Funding by Budget Function provides information on Federal funding of R&D by Federal budget function categories. The report is focused exclusively on the R&D components of agency programs as proposed by the administration. R&D data are classified into the same budget function categories used in the Budget of the United States Government and include descriptions of over 500 individual R&D programs. Proposed fiscal year funding levels are presented in budget authority, which is the basis for initial congressional action. Detailed data are also included on actual fiscal year Federal R&D funds and on estimated fiscal year funding.

National Patterns of R&D Resources includes information on R&D expenditures by different performers including industry, academia, and the Federal Government. The expenditures data in National Patterns, with the exception of Federal intramural R&D, are based on sample surveys of the performers of R&D. Respondents are asked to report how much they actually spent on R&D during the year and the source of those funds. Data in National Patterns are based on expenditures reported by performers; performers of R&D often expend Federal funds in a different year from the one in which the Federal Government provided authorization, obligations, or outlays. National Patterns data are based on a calendar year, but this report's data are based on the actual fiscal year. The two reports also differ in concepts and definitions.

Definitions

Obligations are the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. Obligations differ from expenditures in that funds allocated by Federal agencies during one fiscal year may be spent by the recipient institution either partially or entirely during one or more subsequent years.

Type of Institution

Universities and colleges are those institutions of higher education in the United States that offer at least one year of college-level study leading toward a degree. A university or college comprises all parts of an academic institution, such as colleges of liberal arts, professional schools, hospitals, schools of agriculture, and agricultural experiment stations, including bureaus, offices, and research centers (excluding FFRDCs), whether located on or off the main campus, and branch campuses controlled directly by the parent institution. The universe of academic institutions that is the foundation of this survey is derived from the higher

education institutions' portion of ED's Integrated Postsecondary Education Data System (IPEDS), sponsored by the National Center for Education Statistics (NCES), and the 1989 Higher Education Directory, published by Higher Education Publications, Inc. Institutions included are those that received Federal support during FY 1989 and possessed a significant degree of academic and administrative autonomy. Institutions within a system (group of institutions having a collective legal status and generally recognized by a State government, a board of education, or other relevant organization) in which a significant degree of autonomy remains at the individual institution level are presented separately; obligations to branch campuses are included in the totals for their parent institutions. The study excludes all obligations to the service academies and to the USDA Graduate School.

Independent nonprofit institutions are legal entities other than universities and colleges, are privately organized or chartered to serve the public interest, and are exempt from most forms of Federal taxation. Data presented for nonprofit institutions and for nonprofit-administered FFRDCs are obligations for R&D and R&D plant by the 15 participating agencies.

Coverage of the nonprofit section in the Federal Support survey was expanded beginning in the late 1970s to include all types of nonprofit institutions that receive Federal R&D funds. For NSF purposes, the types of institutions are defined as follows:*

1. **Research institute**. A separately incorporated, independent nonprofit organization operating under the direction of its own controlling body, the primary function of which is the performance of R&D in the sciences and engineering.

2. **Voluntary hospital**. A member of the American Hospital Association not subject to the control of either Federal, State, or local governments, nor an integral part of any institution of higher education. Hospitals that have been set up by research institutes and that, while providing patient care, function primarily as laboratories for the research institutes, are included in the "Research Institutes" category (#1).

3. **All other independent nonprofit institutions** include:

(a) **Professional or technical society, or academy of science/engineering**. A voluntary association of individuals sharing a common interest in the advancement of knowledge, either within a single field or across a broad spectrum of disciplines. The major function of

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* National Science Foundation, R&D Activities of Independent Nonprofit Institutions, 1973 (NSF 75-308)(Washington, D.C.: Supt. of Documents, U.S. Government Printing Office, 1975).

these organizations is to aid and encourage the collection, collation, and dissemination of S&E knowledge for the benefit of their members and the community as a whole.

(b) **Private foundation**. A nongovernmental, nonprofit organization having a principal fund of its own, managed by its own trustees or directors, and established to maintain or to aid social, educational, charitable, religious, or other activities serving the common welfare. This organizational type includes operating foundations that allocate the greater proportion of their R&D budgets to intramural performance, and philanthropic foundations that allocate most of their funds to grants and contracts for research to be performed extramurally.

(c) **Science exhibitor**. A nonprofit organization in which the primary goal is to expand the scientific literacy within its community by providing exhibits that display and interpret the latest scientific findings within its field or fields. Included in this category are museums, zoological parks, botanical gardens, and arboretums.

(d) **Trade association**. An organization of business competitors, in a specific industry or business, that is interested primarily in the commercial promotion of products or services. Membership is usually held in the name of a business entity. Its activities may fall into one or more of the following: Business ethics, management practices, standardization, commercial (i.e., statistical) research, publication, promotion, and public relations.

(e) **Agricultural cooperative**. An organization of individuals or business entities that are normally competitors in the production and sale of agricultural products. Its activities may include one or more of the following areas: Collective marketing or purchasing, research, public relations, and the improvement of the economic condition of the farm population of the United States.

4. **Federally funded research and development center (FFRDC)**. An R&D organization that was established to meet the particular research needs of a Federal agency.

FFRDCs in this report are organizational units administered by universities and colleges or other nonprofit institutions. These units have been established, in general, to achieve a particular R&D objective of a Federal agency. Uniform identification and classification criteria have been developed for use by all sponsoring agencies.

To qualify as a unit in this category, the FFRDC must be engaged in basic or applied research, development, or management of R&D activities, and the results must be directly monitored by the Federal Government, usually by a single agency, in a relationship expected to be maintained on a long-term basis. The activity is operated, managed, and administered by either a university or consortium of universities as an autonomous organization or as an identifiable separate operating unit of its parent institution. The majority of the organization's financial support--70 percent or more--is received from the Federal Government. In general, most or all of the facilities are owned by the Government or funded, under contract, by the Government.

Of the 18 academic-administered FFRDCs, 10 were managed by individual institutions, 7 by consortia of universities, and 1, Argonne National Laboratory, was jointly managed by the University of Chicago and Argonne Universities Association. Prior to FY 1978, the Applied Physics Laboratory (APL) and the Applied Research Laboratory (ARL) were categorized as FFRDCs. Beginning with the 1978 study, APL and ARL were reclassified into the academic sector as part of Johns Hopkins University and Pennsylvania State University, respectively.

Obligations to FFRDCs administered by universities represent academic S&E obligations only; non-S&E obligations, if any, are not reported.

A list of university-managed FFRDCs follows:

Department of Defense

Department of the Air Force

Lincoln Laboratory
(Massachusetts Institute of Technology)
Lexington, Massachusetts

Other DOD

Software Engineering Institute
(Carnegie Mellon University)
Pittsburgh, Pennsylvania

Department of Energy

Ames Laboratory
(Iowa State University of Science and Technology)
Ames, Iowa

Argonne National Laboratory
(University of Chicago and Argonne Universities Association)
Argonne, Illinois

Brookhaven National Laboratory
(Associated Universities, Inc.)
Upton, Long Island, New York

Continuous Electron Beam Accelerator Facility
(Southeastern Universities Research Association)
Newport News, Virginia

E. O. Lawrence Berkeley Laboratory
(University of California)
Berkeley, California

E. O. Lawrence Livermore Laboratory
(University of California)
Livermore, California

Fermilab
(University Research Association, Inc.)
Batavia, Illinois

Los Alamos Scientific Laboratory
(University of California)
Los Alamos, New Mexico

Oak Ridge Associated Universities
(Oak Ridge Associated Universities)
Oak Ridge, Tennessee

Plasma Physics Laboratory
(Princeton University)
Princeton, New Jersey

Stanford Linear Accelerator Center
(Stanford University)
Stanford, California

National Aeronautics and Space Administration

Jet Propulsion Laboratory
(California Institute of Technology)
Pasadena, California

National Science Foundation

National Optical Astronomy Observatory
(Association of Universities for Research in Astronomy, Inc.)
Tucson, Arizona

National Astronomy and Ionosphere Center
(Cornell University)
Arecibo, Puerto Rico

National Center for Atmospheric Research
(University Corporation for Atmospheric Research)
Boulder, Colorado

National Radio Astronomy Observatory
(Associated Universities, Inc.)
Green Bank, West Virginia

A list of nonprofit-administered FFRDCs follows:

Department of Defense

Office of the Secretary of Defense

Institute for Defense Analyses
Arlington, Virginia

Logistics Management Institute
Bethesda, Maryland

National Defense Research Institute (formerly called Office of the Secretary of Defense/Organization of the Joint Chiefs of Staff)
(RAND Corporation)
Santa Monica, California

Department of the Army

Arroyo Center
(RAND Corporation)
Santa Monica, California

Department of the Navy

Center for Naval Analyses
(Hudson Institute)
Arlington, Virginia

Department of the Air Force

Aerospace Corporation
El Segundo, California

C3 I Federal Contract Research Center
McLean, Virginia

Project Air Force
(RAND Corp)
Santa Monica, California

Department of Energy

Pacific Northwest Laboratory
(Battelle Memorial Institute)
Richland, Washington

Solar Energy Research Institute
(Midwest Research Institute)
Golden, Colorado

Inhalation Toxicology Research Institute
(Lovelace Medical Foundation)
Albuquerque, New Mexico

Category of Support

Academic science & engineering includes all obligations for the following activities: R&D; R&D plant; facilities and equipment for S&E instruction; fellowships, traineeships, and training grants; general support for science and engineering; and other S&E activities. These activities are defined as follows:

(a) **Research and development** includes all research activities, both basic and applied, and all development activities that are supported at universities and colleges. Demonstration projects conducted to discover whether a technology or method is workable are considered to be within the scope of R&D if their objective is to produce new information within a specific time period. "Research" is defined as systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research can be classified as basic or applied, although data reported here are not separated into these categories. In basic research, the investigation is oriented toward gaining a better knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind. In applied research, the investigation is aimed at gaining the knowledge or understanding necessary for determining the means by which a recognized and specific need may be met. "Development" is the systematic use of knowledge and understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. Research and development excludes topographic mapping and surveys, collection of general-purpose statistics, and activities concerned primarily with the dissemination of scientific information. Also excluded are routine product testing, quality control, and R&D facilities and fixed equipment. "Research equipment" is included as part of R&D. It includes any item (or interrelated collection of items constituting a system) of nonexpendable tangible property or software having a useful life of more than two years and an acquisition cost of $500 or more that is used wholly or in part for research. Research and development in the arts and humanities is excluded from this category but is included in "non-science & engineering activities."

(b) **R&D plant** includes all costs--direct, indirect, and related--of all projects whose main objective is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in scientific or engineering research and development. A facility is interpreted broadly to be any physical resource important to the conduct of R&D. Excluded are expendable research equipment and office furniture and equipment.

(c) **Facilities and equipment** for S&E instruction includes all programs whose main purpose is to provide support for the construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in science and engineering.

(d) **Fellowships, traineeships, and training grants** include graduate programs in support of the development and maintenance of S&E personnel resources. The total amounts pertaining to such awards (stipends and cost-of-education allowances) are reported on the basis of the institution chosen by the recipient. Excluded are programs that support research and education institutes, seminars, and conferences such as teacher-training activities provided through teacher institutes, short courses, research participation, and inservice seminars; activities aimed at the development of education techniques and materials for use in S&E training; and programs that provide special opportunities for increasing the scientific knowledge and experience of precollege and undergraduate students. These activities are included in "other science & engineering activities," or if not S&E-oriented, in "non-science & engineering activities."

(e) **General support for science & engineering** includes programs that support nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole, and embody varying types of support--ranging from support provided without any specification of purpose other than that the funds be used for scientific projects, to projects in which funds are provided for activities within a specified field of science & engineering without a specific purpose. NIH's Biomedical Sciences Support Grants and General Research Support Grants are examples of these types of programs.

(f) **Other S&E activities** include all academic S&E activities that cannot meaningfully be assigned to one of the preceding five categories. Types of activities included are obligations in support of technical conferences, teacher institutes, and activities aimed at increasing the scientific knowledge of precollege and undergraduate students.

(g) **Non-S&E activities** include all other obligations excluded from the six foregoing categories defined, but which represent direct funding (excluding loans) from a Federal agency to an academic institution for activities or purposes not specifically related to science and engineering. Included are all obligations for research, education, and facilities in the arts and humanities, as well as generalized projects for which the proportion utilized for S&E activities is unknown.

Fields of science & engineering in this survey are divided into eight broad field categories, each consisting of a number of detailed fields. The broad fields are engineering, physical sciences, mathematical sciences and computer sciences, environmental sciences, life sciences, psychology, social sciences, and other sciences not elsewhere classified. The term "not elsewhere classified" (n.e.c.) is to be used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned.

Engineering is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight fields: Aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Aeronautical--aerodynamics
Astronautical--aerospace, space technology
Chemical--petroleum, petroleum refining, process
Civil--architectural, hydraulic, hydrologic, marine, sanitary and environmental, structural, transportation
Electrical--communication, electronic, power
Mechanical--engineering mechanics
Metallurgy and materials--ceramic, mining, textile, welding
Engineering, n.e.c.--agricultural, bioengineering, biomedical, industrial and management, nuclear, ocean engineering, systems

Physical sciences are concerned with the understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Astronomy--laboratory astrophysics, optical astronomy, radio astronomy, theoretical astrophysics, X-ray, Gamma-ray, neutrino astronomy
Chemistry--inorganic, organo-metallic, organic, physical
Physics--acoustics, atomic and molecular, condensed matter, elementary particles, nuclear structure, optics, plasma
Physical sciences, n.e.c.

Mathematical sciences and **computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operations employing such symbols, and in the case of

computer sciences, with the application of such methods to automated information systems.

Mathematical sciences--algebra, analysis, applied mathematics, foundations and logic, geometry, numerical analysis, statistics, topology

Computer sciences--programming languages, computer and information sciences (general), design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems, systems analysis

Mathematical and computer sciences, n.e.c.

Environmental sciences--(terrestrial and extraterrestrial) are concerned with the gross nonbiological properties of the aspects of the solar system that directly or indirectly affect man's survival and welfare; they comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. Note that all obligations in support of oceanography, whether physical or biological, are reported under oceanography. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences--aeronomy, solar, weather modification, extraterrestrial atmospheres, meteorology

Geological sciences--engineering geophysics, general geology, geodesy and gravity, geomagnetism, hydrology, inorganic geochemistry, isotopic geochemistry, organic geochemistry, laboratory geophysics, paleomagnetism, paleontology, physical geography and cartography, seismology, soil sciences

Oceanography--biological oceanography, chemical oceanography, geological oceanography, physical oceanography, marine geophysics

Environmental sciences, n.e.c.

Life sciences consist of five detailed fields: Biological (excluding environmental), environmental biology, agricultural, medical, and life sciences not elsewhere classified. Examples of the disciplines under each of these fields are as follows:

Biological sciences (excluding environmental biology)--anatomy, biochemistry, biology, biometry and biostatistics, biophysics, botany, cell biology, entomology and parasitology, genetics, microbiology, neuroscience (biological), nutrition, physiology, zoology, other biological, n.e.c.

Environmental biology--ecosystem sciences, evolutionary biology, limnology, physiological ecology, population biology, population and biotic community ecology, systematics, other environmental biology, n.e.c.

Agricultural sciences--agronomy, animal sciences, food science and technology, fish and wildlife, forestry, horticulture, plant sciences, soils and soil science, phytopathology, phytoproduction, agriculture, general; other agriculture, n.e.c.

Medical sciences--internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pediatrics, preventive medicine, pathology, pharmacology, psychiatry, radiology, surgery, dentistry, pharmacy, veterinary medicine, other medical, n.e.c.

Life sciences, n.e.c.

Psychology deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology is divided into three categories: biological aspects; social aspects; and psychological sciences, not elsewhere classified. Examples of the disciplines under each of these fields are as follows:

Biological aspects--experimental psychology, animal behavior, clinical psychology, comparative psychology, ethology

Social aspects--social psychology, educational, personnel, vocational psychology, and testing; industrial and engineering psychology, development and personality

Psychological sciences, n.e.c.

Social sciences are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology, economics, history, linguistics, political science, sociology, and social sciences not elsewhere classified. Examples of disciplines under the fields of social sciences are as follows:

Anthropology--archaeology, cultural and personality, social and ethnology, applied anthropology

Economics--econometrics and economic statistics, history of economic thought, international, industrial, labor, and agricultural; macroeconomics, microeconomics, public finance and fiscal policy, theory, economic systems and development

History--history and philosophy of science

Linguistics--anthropological-archeological, computational, psycholinguistics, sociolinguistics

Political science--area or regional studies, comparative government, history of political ideas, international relations and law, national political and legal systems, political theory, public administration

Sociology--comparative and historical, complex organizations, culture and social structure, demography, group interactions, social problems and social welfare, sociological theory

Social sciences, n.e.c.--research in law and education not elsewhere classified, socioeconomic geography

Other sciences, n.e.c.--to be used for multidisciplinary and interdisciplinary projects that cannot be classified within one of the above broad fields of science & engineering

SECTION B. DETAILED STATISTICAL TABLES

To obtain accurate historical data, use only the latest detailed statistical tables (covering FY 1989) and not data published earlier. Data presented in trend tables are assembled from the most recently completed survey cycle. Data for prior years are reviewed for consistency with current-year responses and, when necessary, are revised in consultation with agencies and/or institutions. For that reason, references to prior-years data should be restricted to those published in the document.

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Table B-1. -- Federal obligations to universities and colleges by type of activity: fiscal years 1963-89 1/

[Dollars in thousands]

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Fiscal year	Total obligations	Academic science/engineering							Non-science/ engineering activities
		Total academic science/ engineering	Research and develop-ment 2/	R&D plant 2/	Facilities for instruction in science & engineering	Fellow-ships, trainee-ships, & training grants	General support for science/ engineering	Other science/ engineering activities 2/	
1963	1,413,015	1,328,511	829,524	105,896	(3)	(3)	(3)	393,091	84,504
1964	1,624,963	1,528,604	975,597	100,837	(3)	(3)	(3)	452,170	96,359
1965	2,305,455	1,816,171	1,094,963	126,196	(3)	(3)	(3)	595,012	489,284
1966	3,009,950	2,163,504	1,252,146	114,767	(3)	365,560	(3)	431,031	846,446
1967	3,317,709	2,323,795	1,301,242	111,309	(3)	447,236	(3)	464,008	993,914
1968	3,386,637	2,349,817	1,398,305	96,148	(3)	440,895	(3)	414,469	1,036,820
1969	3,462,370	2,361,399	1,474,681	54,516	(3)	436,270	(3)	395,932	1,100,971
1970	3,236,612	2,187,579	1,446,618	44,778	(3)	429,408	(3)	266,775	1,049,033
1971	3,498,596	2,343,129	1,551,391	29,942	28,729	421,029	99,669	212,369	1,155,467
1972	4,144,692	2,599,111	1,853,085	36,917	26,341	387,888	83,288	211,592	1,545,581
1973	3,839,102	2,464,362	1,870,690	43,338	13,372	287,210	38,964	210,788	1,374,740
1974	4,480,372	2,736,984	2,085,204	29,009	3,506	326,600	86,974	205,691	1,743,388
1975	4,547,191	2,805,783	2,246,088	44,787	5,026	201,273	46,353	262,256	1,741,408
1976	5,402,764	2,959,656	2,430,970	23,899	3,210	174,871	74,483	252,223	2,443,108
1977	6,489,735	3,351,337	2,803,017	36,471	3,282	184,671	75,928	247,968	3,138,398
1978	7,471,843	3,959,832	3,385,770	34,328	4,906	205,925	74,398	254,505	3,512,011
1979 4/	7,603,908	4,472,659	3,873,514	32,068	6,743	204,866	92,483	262,985	3,131,249
1980	8,298,804	4,790,972	4,160,543	37,780	3,776	210,121	91,541	287,211	3,507,832
1981 4/	8,640,925	5,062,856	4,410,931	27,694	4,563	205,448	92,721	321,499	3,578,069
1982 4/	8,776,978	5,179,610	4,554,475	31,200	829	176,582	80,137	336,387	3,597,368
1983 4/	9,344,618	5,680,631	5,024,330	37,547	2,522	189,616	94,847	331,769	3,663,987
1984	10,039,468	6,308,014	5,448,821	49,764	1,889	194,895	112,588	500,057	3,731,454
1985	10,971,593	7,257,862	6,246,181	113,932	4,947	253,082	119,171	520,549	3,713,731
1986	11,619,243	7,430,872	6,456,743	105,827	4,990	246,196	111,130	505,986	4,188,371
1987	13,433,460	8,565,441	7,241,001	229,875	13,722	290,942	236,933	552,968	4,868,019
1988	14,066,032	9,133,458	7,719,162	202,907	13,374	309,348	171,826	716,841	4,932,574
1989	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465

1/ Note that some trend shifts are related to institutional reclassification. As of 1978, two laboratories that were formerly considered academically administered Federally Funded Research and Development Centers (FFRDCs) became part of their respective institutions: Applied Physics Laboratory (Johns Hopkins University) and Applied Research Laboratory (Pennsylvania State University). Data for these laboratories are thus included in the academic figures for 1978-89, but excluded for prior years. Similarly, Draper Laboratories separated from the Massachusetts Institute of Technology as of fiscal year 1974 to become an independent nonprofit institution; academic data shown for 1963-73 include Draper Laboratories, whereas those for 1974-89 do not.

2/ See Technical Notes, scope of survey.

3/ Not separately identified but included under "other science/ engineering activities".

4/ Total and non-science/engineering obligations were estimated based on revised data from the Department of Education.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table 8-2 -- Federal academic science/engineering obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

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Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Total academic science/ engineering																	
1963	1,328.5	104.0	1.8	218.0	-	-	76.1	-	581.0	-	3.8	-	-	87.4	256.3	-	-
1964	1,528.6	115.0	1.7	258.1	-	-	79.9	-	683.8	-	5.1	-	-	107.6	277.5	-	-
1965	1,816.2	135.6	2.6	267.9	-	-	84.4	-	856.5	-	9.6	-	-	134.3	325.2	-	-
1966	2,163.5	141.0	2.8	278.0	-	-	96.9	-	1,109.2	-	19.1	-	-	142.2	374.5	-	-
1967	2,323.8	144.8	4.4	264.1	-	-	109.6	-	1,251.0	-	23.9	-	-	131.5	394.5	-	-
1968	2,349.8	144.2	8.0	243.1	12.5	-	119.7	-	1,229.4	1.7	28.2	-	6.6	129.8	422.8	-	3.7
1969	2,361.4	155.9	2.2	278.7	9.3	-	121.0	-	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	-	-
1970	2,187.6	182.1	3.9	265.5	18.9	-	114.5	-	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	-	10.1
1971	2,343.1	214.6	7.6	249.0	16.4	-	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	-	10.8
1972	2,599.1	238.6	26.0	243.9	8.3	-	95.3	23.3	1,318.5	1.5	24.3	18.7	7.3	119.0	458.7	-	15.9
1973	2,464.4	256.8	28.4	232.9	8.7	-	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	-	15.9
1974	2,737.0	260.7	29.4	184.4	4.1	-	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	-	12.8
1975	2,805.8	290.7	25.8	190.5	-	-	124.3	38.8	1,467.3	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8
1976	2,959.7	328.6	38.2	211.9	-	-	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	3.2	15.7
1977	3,351.3	343.2	32.5	267.3	-	-	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	4.5	10.9
1978	3,959.8	391.7	35.9	452.3	-	-	267.2	54.7	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5
1979	4,472.7	422.5	47.3	528.7	-	-	273.9	66.7	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4
1980	4,791.0	444.1	51.6	555.9	-	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	-	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.9	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	-	35.6	288.2	83.8	2,332.8	2.6	28.3	50.4	8.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.2	-	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	-	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	-	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	-	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,565.4	674.7	88.8	1,278.5	-	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	13.4
1988	9,133.5	741.7	81.4	1,377.4	-	255.6	536.2	66.2	4,486.2	.1	41.6	48.5	8.0	363.7	1,102.1	3.6	21.4
1989	10,073.1	721.7	74.0	1,486.4	-	275.4	561.1	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	22.1
Research and development																	
1963	829.5	40.6	1.5	218.0	-	-	68.3	-	332.9	-	3.8	-	-	59.8	104.6	-	-
1964	975.6	47.5	1.1	258.1	-	-	70.5	-	399.2	-	5.8	-	-	78.2	115.8	-	-
1965	1,095.0	59.1	2.1	267.9	-	-	74.8	-	441.9	-	9.5	-	-	100.6	139.2	-	-
1966	1,252.1	62.9	2.1	278.0	-	-	83.2	-	507.3	-	18.7	-	-	107.4	192.5	-	-
1967	1,301.2	64.0	3.4	264.1	-	-	89.7	-	577.0	-	23.9	-	-	109.0	170.2	-	-
1968	1,398.3	62.2	6.7	243.1	12.5	-	101.8	-	619.1	1.0	27.8	-	6.6	126.1	187.7	-	3.7
1969	1,474.7	63.6	1.7	278.7	9.3	-	103.1	-	667.1	1.0	23.5	3.9	9.1	122.3	191.5	-	-
1970	1,446.6	67.4	3.2	265.5	18.9	-	101.4	-	614.9	.5	27.1	5.5	3.5	127.4	201.2	-	10.1
1971	1,551.4	74.8	6.9	249.0	16.4	-	95.9	17.0	695.7	.7	21.3	17.1	3.3	128.5	216.9	-	8.0
1972	1,853.1	88.6	23.6	243.9	8.3	-	86.8	17.7	879.4	1.5	23.0	13.5	7.3	112.4	334.7	-	12.4
1973	1,870.7	93.8	24.9	232.9	8.7	-	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	-	15.2
1974	2,085.2	96.7	26.6	184.4	3.4	-	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	-	11.5
1975	2,246.1	110.5	22.2	190.5	-	-	119.2	33.8	1,205.2	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1
1976	2,431.0	124.2	29.0	211.9	-	-	138.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9
1977	2,803.0	142.2	32.2	267.3	-	-	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6
1978	3,385.8	175.3	35.0	452.3	-	-	251.1	51.1	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4
1979	3,873.5	193.8	45.9	528.7	-	-	256.4	60.9	1,966.5	4.0	35.3	28.0	11.1	137.2	587.8	6.5	11.4
1980	4,160.5	211.8	50.4	555.9	-	48.0	279.6	76.9	2,025.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	-	56.1	281.8	64.2	2,112.8	3.0	30.2	31.3	12.9	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	-	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.3	-	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.8	-	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	-	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	-	72.2	346.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	-	85.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	-	69.6	407.6	64.1	4,128.3	.1	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,516.8	336.0	66.0	1,220.6	-	67.0	444.5	77.5	4,512.0	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9

See explanatory material at end of table.

(Continued)

Table 8-2. -- Federal academic science/engineering obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 2 of 3)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
R&D plant 2/																	
1963	105.9	0.0	0.0	0.0	-	-	2.6	-	39.2	-	0.1	-	-	13.4	50.6	-	-
1964	100.8	.0	.0	.0	-	-	4.0	-	39.9	-	.0	-	-	9.1	47.8	-	-
1965	126.2	3.2	.0	.0	-	-	3.8	-	54.8	-	**	-	-	8.4	56.0	-	-
1966	114.8	2.0	.0	.0	-	-	7.4	-	48.5	-	.2	-	-	7.4	49.3	-	-
1967	111.3	2.0	.3	.0	-	-	13.8	-	38.1	-	.0	-	-	5.0	52.1	-	-
1968	96.1	1.9	.2	.0	.0	-	11.9	-	36.9	.0	.0	-	.0	.0	45.3	-	.0
1969	54.5	1.2	.0	.0	.0	-	11.4	-	20.5	.0	**	.0	.0	.0	21.4	-	-
1970	44.8	1.1	**	.0	.0	-	7.1	-	20.0	.0	.0	.0	.0	.0	16.5	-	.0
1971	29.9	.0	.0	.0	.0	-	4.8	.0	15.2	.0	.0	.0	.0	.2	9.7	-	.0
1972	36.9	.0	.0	.0	.0	-	4.1	.0	22.2	.0	.0	.0	.0	.6	10.0	-	.0
1973	43.3	.0	.3	.0	.0	-	5.6	.0	26.7	.0	.2	.0	.0	3.0	7.4	-	.0
1974	29.0	.0	.0	.0	.0	-	4.2	.0	14.5	.0	.0	.0	.0	.1	10.2	-	.0
1975	44.8	.0	.0	.0	-	-	4.2	.0	22.9	.0	.0	.0	.0	.1	17.6	.0	.0
1976	23.9	.0	1.0	.0	-	-	5.6	.0	11.4	.0	.0	.0	.0	.1	5.9	.0	.0
1977	36.5	.0	.0	.0	-	-	17.5	.0	11.1	.0	.0	.0	.0	**	7.3	.0	.5
1978	34.3	.0	.0	.0	-	-	13.4	**	9.9	.0	.0	.0	.0	.0	11.0	.0	**
1979	32.1	.0	.0	.0	-	-	9.1	.0	7.5	.0	.0	.5	.0	.2	14.7	.0	.0
1980	37.8	.0	.0	.0	-	.0	20.6	.0	4.4	.0	.0	.0	.0	.2	12.6	.0	.0
1981	27.7	.0	.0	1.1	-	.0	19.6	.0	2.0	.0	.0	.0	.0	.1	4.9	.0	.0
1982	31.2	.0	.0	.5	-	.0	18.8	1.4	5.4	.0	.0	.0	.0	.2	4.9	.0	.0
1983	37.5	9.6	.0	.0	-	.0	17.2	.1	1.5	.0	.0	.0	.0	1.5	7.7	.0	.0
1984	49.8	9.6	.0	.0	-	.0	29.5	.1	.7	.0	.0	.0	.0	.3	9.7	.0	.0
1985	113.9	9.6	.0	**	-	.0	77.7	.1	11.4	.0	.0	.0	.0	.2	14.9	.0	.0
1986	105.8	9.1	1.2	.0	-	1.8	73.0	.0	4.2	.0	.0	.0	.0	.4	16.0	.0	.0
1987	229.9	65.4	.1	.0	-	49.2	102.9	.0	4.2	.0	.0	.0	.0	.6	7.4	.0	.0
1988	202.9	68.0	.0	.0	-	1.3	127.7	.0	.0	.0	.0	.0	.0	.6	5.4	.0	.0
1989	237.0	31.1	1.2	57.9	-	1.3	115.5	.0	22.0	.0	.0	.0	.0	1.2	6.7	.0	.0
Facilities for instruction																	
1971	28.7	.3	.0	.0	.0	-	2.3	.0	13.9	.0	.1	.0	.0	.0	12.1	-	.0
1972	26.3	.5	.0	.0	.0	-	1.9	.0	20.9	.0	.0	.0	.0	.0	3.0	-	.0
1973	13.4	.0	.0	.0	.0	-	2.3	.0	9.4	.0	.1	.0	.0	.0	1.6	-	.0
1974	3.5	.0	.0	.0	.0	-	.0	.0	.4	.0	**	.0	.0	.0	3.1	-	.0
1975	5.0	.0	.1	.0	-	-	.0	.0	4.9	.0	.0	.0	.0	.0	**	.0	.0
1976	3.2	.0	.3	.0	-	-	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0
1977	3.3	.0	.0	.0	-	-	.4	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0
1978	4.9	.0	.0	.0	-	-	1.3	.0	.0	.0	**	.0	.0	.0	3.5	.0	.0
1979	6.7	.0	.0	.0	-	-	3.5	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1980	3.8	.0	.0	.0	-	.0	.9	.1	.0	.0	.0	.0	.0	.0	2.8	.0	.0
1981	4.6	.0	.0	.2	-	.0	1.1	**	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1982	.8	.0	.0	**	-	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1983	2.5	.0	.0	**	-	.0	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1984	1.9	.0	1.6	.3	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1985	4.9	.0	.0	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1986	5.0	.0	.0	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.1	.0
1987	13.7	.0	.0	.0	-	5.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0
1988	13.4	.0	2.5	.0	-	.0	.0	.0	.0	.0	.4	.0	.0	.0	10.5	.0	.0
1989	16.9	.0	1.6	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3	.0	.0
Fellowships, traineeships, & trng grnts																	
1966	365.6	-	.0	-	-	-	3.2	-	289.9	-	.0	-	-	25.0	47.5	-	-
1967	447.2	-	.0	-	-	-	3.7	-	379.2	-	.0	-	-	15.0	49.4	-	-
1968	440.9	-	.0	-	.0	-	3.6	-	387.0	-	.0	-	.0	.9	49.4	-	.0
1969	436.3	-	.0	-	.0	-	5.5	-	375.7	-	.0	-	.0	1.3	53.8	-	-
1970	429.4	-	.0	-	.0	-	5.0	-	369.6	-	.0	-	.0	2.1	52.7	-	.0
1971	421.0	-	**	-	.0	-	2.6	10.1	361.4	-	**	-	.6	1.0	42.3	-	2.8
1972	387.9	.0	.4	.0	.0	-	2.0	5.6	346.6	.0	.0	.0	.0	1.1	28.8	-	3.5
1973	287.2	.0	.6	.0	.0	-	2.3	9.2	256.8	.0	.0	.0	.0	1.3	16.4	-	.7
1974	326.6	.0	**	.0	.7	-	.5	6.8	301.5	.0	.0	.0	.0	1.2	14.4	-	1.3
1975	201.3	.0	**	.0	-	-	.7	5.0	181.7	.0	.0	.0	.0	1.3	9.7	.0	2.7
1976	174.9	.0	.0	.0	-	-	.1	3.6	155.6	.0	.0	.0	.0	1.3	13.4	**	.8
1977	184.7	.0	.0	.0	-	-	.2	1.3	165.9	.0	.0	.0	.0	1.4	14.8	.1	.8
1978	205.9	.0	.0	.0	-	-	.7	3.6	184.2	.0	3.2	.6	.0	1.3	11.7	**	.6
1979	204.9	.0	.0	.0	-	-	1.9	4.5	182.3	.0	.3	.0	.0	1.8	14.1	.0	.0
1980	210.1	.0	.0	.0	-	.0	.0	4.5	187.6	.0	1.4	.0	.0	2.8	13.8	.0	.0
1981	205.4	.0	.0	.0	-	.0	.0	2.4	183.5	.0	.9	.0	.0	3.7	14.8	.1	.0
1982	176.6	.0	.0	.0	-	.0	.3	2.5	151.9	.0	.0	.0	.0	4.2	17.5	.0	.4
1983	189.6	.2	.2	.7	-	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3
1984	194.9	.2	.1	.0	-	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4
1985	253.1	7.0	.1	.8	-	.0	.4	2.1	210.9	.0	.0	.0	.0	5.6	25.8	.0	.4
1986	246.2	4.7	.0	.5	-	.0	.6	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2

See explanatory material at end of table.

(Continued)

Table B-2. -- Federal academic science/engineering obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 3 of 3)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Fellowships, traineeships, & trng grnts																	
1987	290.9	4.7	0.6	2.3	-	11.8	0.6	1.8	232.5	0.0	0.0	0.0	0.0	8.7	27.7	0.0	0.2
1988	309.3	4.6	2.6	1.5	-	13.5	.7	2.0	239.3	.0	.0	.0	**	15.8	29.2	.0	.0
1989	341.0	4.6	1.2	.1	-	23.4	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2
General support for science/ engineering																	
1971	99.7	0.0	0.2	0.0	0.0	-	0.0	0.0	40.2	0.0	1.1	0.0	1.2	0.0	56.9	-	0.0
1972	83.3	.0	1.5	.0	.0	-	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	-	.0
1973	39.0	.0	.0	.0	.0	-	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	-	.0
1974	87.0	.0	.5	.0	.0	-	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	-	.0
1975	46.4	.0	1.8	.0	-	-	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	-	-	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	-	-	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	.7	.0
1978	74.4	.0	.0	.0	-	-	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	.3
1979	92.5	4.7	.0	.0	-	-	**	1.3	52.8	.0	4.4	.0	.0	.0	29.4	.0	.0
1980	91.5	.0	.0	.0	-	0.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	-	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	-	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	-	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	-	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	**	1.8	-	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	-	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	-	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	-	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	200.6	.0	.0	1.8	-	83.1	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
Other science/ engineering activities																	
1963	393.1	63.4	.3	.0	-	-	5.3	-	208.9	-	**	-	-	14.1	101.1	-	-
1964	452.2	67.5	.6	.0	-	-	5.4	-	244.6	-	**	-	-	20.2	113.9	-	-
1965	595.0	73.3	.6	.0	-	-	5.9	-	359.8	-	**	-	-	25.4	130.1	-	-
1966	431.0	76.1	.7	.0	-	-	3.1	-	263.4	-	.2	-	-	2.3	85.2	-	-
1967	464.0	78.8	.7	.0	-	-	2.5	-	256.7	-	**	-	-	2.4	122.8	-	-
1968	414.5	80.1	1.0	.0	.0	-	2.5	-	186.4	.7	.4	-	.0	2.8	140.5	-	**
1969	395.9	91.1	.5	**	.0	-	1.0	-	198.4	.1	.9	.0	.0	3.7	100.2	-	-
1970	266.8	113.5	.7	**	.0	-	1.0	-	32.2	.0	.6	.0	.0	1.7	117.0	-	.0
1971	212.4	139.5	.5	.0	.0	-	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	-	.0
1972	211.6	149.5	.6	.0	.0	-	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	-	.0
1973	210.8	163.0	2.7	.0	.0	-	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	-	.0
1974	205.7	164.0	2.2	.0	.0	-	.2	.0	5.7	.0	.0	.0	.0	5.7	27.9	-	.0
1975	262.3	180.2	1.7	.0	-	-	.1	.0	15.3	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	-	-	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	248.0	201.0	.3	.0	-	-	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	-	-	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	.2
1979	263.0	224.0	1.5	.0	-	-	3.0	.1	6.9	.0	.0	.0	.0	4.7	22.4	.4	.0
1980	287.2	232.3	1.2	.0	-	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	-	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.8	38.2	-	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	-	.0	**	.5	2.8	.1	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	-	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0
1985	520.5	335.7	1.4	149.5	-	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	-	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	553.0	308.6	.6	171.4	-	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	.0
1988	716.8	347.9	.5	179.3	-	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	.1
1989	760.8	349.9	3.8	206.1	-	100.5	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	.0

- Indicates not available.

** Indicates amount less than $50,000.

1/ See footnote 1 at end of Table B-1.

2/ See Technical Notes, scope of survey.

3/ Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research & Development Administration, respectively.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-3. -- Federal obligations to universities and colleges for research and development by detailed field: fiscal years 1982-89

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	1982	1983	1984	1985	1986	1987	1988	1989
Total, all fields	4,554,475	5,024,330	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,516,849
Engineering, total	804,054	913,604	847,674	944,413	998,312	988,461	1,129,303	1,152,862
Aeronautical	35,530	39,765	40,678	39,903	42,257	40,019	47,946	66,096
Astronautical	8,569	16,373	12,405	14,765	24,147	23,474	32,516	42,276
Chemical	30,274	37,685	50,677	68,602	50,379	52,273	67,647	44,349
Civil	38,745	52,231	55,843	45,368	35,402	30,166	30,947	43,026
Electrical	139,442	170,381	161,336	231,457	212,175	197,133	251,336	240,638
Mechanical	37,836	42,577	45,952	53,214	56,416	60,392	60,551	71,137
Metallurgy & materials	63,998	66,146	75,341	80,416	101,457	98,033	121,228	146,253
Engineering, n.e.c. 1/	449,660	488,446	405,442	410,688	476,079	486,971	517,132	499,087
All sciences, total	3,750,421	4,110,726	4,601,147	5,301,768	5,458,431	6,252,540	6,589,859	7,363,987
Physical sciences, total	563,440	621,410	715,948	789,184	770,254	824,643	859,764	979,037
Astronomy	54,001	62,278	78,124	78,654	78,435	84,587	89,791	103,271
Chemistry	183,231	192,171	230,689	256,156	255,593	271,146	281,573	299,417
Physics	284,711	325,998	359,757	397,061	379,289	406,264	426,005	505,723
Physical sciences, n.e.c.	41,497	40,963	47,378	57,313	56,937	62,646	62,395	70,626
Mathematical/computer sciences, total	102,531	117,540	135,103	173,314	179,096	196,711	203,641	258,035
Mathematical sciences	55,998	63,087	75,176	94,680	96,405	116,039	119,217	134,838
Computer sciences	44,844	52,727	58,667	78,634	79,413	77,238	81,527	119,655
Math/computer sci, n.e.c. 2/	1,689	1,726	1,260	0	3,278	3,434	2,897	3,542
Environmental sciences, total	344,313	372,236	398,538	453,789	468,882	496,444	474,695	554,917
Atmospheric sciences	94,463	103,851	114,183	135,562	124,657	151,294	132,379	131,959
Geological sciences	101,005	101,570	100,901	116,850	118,401	118,662	131,913	152,449
Oceanography	102,340	120,448	136,426	138,732	121,855	150,225	129,473	163,035
Environmental sciences, n.e.c.	46,505	46,367	47,028	62,645	103,969	76,263	80,930	107,474
Life sciences, total	2,380,991	2,617,274	2,932,582	3,362,712	3,463,114	4,035,516	4,348,004	4,731,546
Biological (excl. env bio)	1,201,934	1,339,982	1,548,809	1,775,397	1,849,516	2,180,542	2,343,429	2,555,864
Environmental biology	6,432	8,073	79,449	79,601	86,088	87,628	97,126	108,584
Agricultural	160,985	167,274	154,759	168,927	143,249	149,484	155,772	180,908
Medical	970,476	1,053,364	1,124,788	1,294,571	1,325,157	1,546,711	1,691,610	1,832,451
Life sciences, n.e.c.	41,164	48,581	24,777	44,216	59,104	71,151	60,067	53,739
Psychology, total	84,406	93,849	109,787	132,746	138,338	176,524	186,924	209,344
Biological aspects	24,735	24,760	33,515	39,700	39,049	46,194	53,287	66,959
Social aspects	25,166	27,787	30,261	36,205	38,589	51,557	52,113	59,502
Psychology, n.e.c.	34,505	41,302	46,011	56,841	60,700	78,773	81,524	82,883
Social sciences, total	134,323	175,127	162,492	175,909	172,148	170,427	184,539	215,404
Anthropology	11,994	12,678	5,529	6,053	6,455	6,998	5,972	7,054
Economics	52,382	52,756	37,675	45,292	43,764	51,274	48,039	51,806
History	3,200	4,623	1,038	1,494	1,508	1,634	1,527	1,665
Linguistics	3,629	3,419	2,967	3,196	2,481	2,843	3,248	3,402
Political science	10,681	17,149	7,965	6,216	5,003	5,492	5,926	6,988
Sociology	21,142	29,890	33,232	34,887	34,580	41,797	55,204	75,404
Social sciences, n.e.c.	31,295	54,612	74,086	78,771	78,357	60,389	64,623	69,085
Other sciences, n.e.c.	140,417	113,290	146,697	214,114	266,599	352,275	332,292	415,704

n.e.c. = Not elsewhere classified.

1/ See Technical Notes, scope of survey on DOD funding.

2/ Data not collected in FY 1985. Included under "mathematical sciences."

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-4. -- Federal obligations to universities and colleges for research and development by geographic division and State: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 1 of 1)

Geographic division and State	1982	1983	1984	1985	1986	1987	1988	1989
United States, total	4,554,475	5,024,330	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,516,849
New England, total	546,699	614,331	666,700	737,777	757,600	819,318	840,017	943,066
Connecticut	106,116	116,971	128,786	144,455	146,545	174,433	175,972	188,744
Maine	5,409	6,476	7,999	7,166	6,449	8,518	6,618	9,090
Massachusetts	373,011	424,213	453,875	496,981	508,166	536,955	545,068	629,070
New Hampshire	16,958	19,436	22,409	27,750	30,564	34,573	36,766	37,007
Rhode Island	32,156	33,879	35,219	42,131	43,646	40,731	47,349	49,525
Vermont	13,049	13,356	18,412	19,294	22,230	24,108	28,244	29,630
Middle Atlantic, total	758,311	863,889	941,878	1,108,296	1,131,083	1,268,422	1,352,552	1,448,888
New Jersey	56,207	61,998	71,331	83,023	86,000	97,785	104,853	120,772
New York	465,860	527,872	581,251	680,273	671,899	752,897	795,186	843,497
Pennsylvania	236,244	274,019	289,296	345,000	373,184	417,740	452,513	484,619
East North Central, total	629,295	682,781	747,405	862,892	873,904	982,023	1,018,935	1,139,209
Illinois	190,913	209,434	226,377	260,394	262,640	297,266	301,297	324,405
Indiana	76,181	77,043	87,369	101,734	100,144	111,184	111,779	131,315
Michigan	133,673	144,557	157,889	178,920	183,814	213,474	233,121	259,265
Ohio	129,207	138,882	148,999	171,831	179,050	199,011	210,593	238,131
Wisconsin	99,321	112,865	126,771	150,013	148,256	161,088	162,145	186,093
West North Central, total	261,280	267,621	309,033	359,097	360,139	410,069	428,857	472,065
Iowa	47,898	53,229	61,933	69,926	74,279	81,722	89,074	103,214
Kansas	24,678	24,765	25,845	31,198	33,239	35,863	37,228	39,105
Minnesota	79,582	74,279	85,132	104,471	102,293	121,588	123,621	133,439
Missouri	80,978	86,389	94,072	108,629	111,289	129,483	137,276	150,269
Nebraska	15,572	14,714	23,816	26,979	24,524	28,464	25,763	27,462
North Dakota	7,685	10,031	13,534	12,625	9,479	8,109	11,044	11,715
South Dakota	4,887	4,214	4,701	5,269	5,036	4,840	4,851	6,861
South Atlantic, total	817,109	884,524	866,760	1,005,463	1,066,480	1,217,674	1,385,893	1,476,995
Delaware	8,191	9,230	10,123	12,221	12,863	12,067	15,261	16,333
District of Columbia	42,472	54,379	46,096	56,320	49,955	61,057	72,668	69,206
Florida	84,924	90,328	91,555	113,479	121,231	148,757	185,626	196,397
Georgia	90,891	101,043	98,686	118,087	127,973	144,034	166,914	183,001
Maryland	366,789	377,480	346,321	375,086	415,943	460,057	522,341	514,747
North Carolina	125,749	141,393	155,208	184,060	194,999	228,096	246,688	287,838
South Carolina	21,801	23,900	24,424	33,188	32,726	33,516	35,595	38,927
Virginia	67,997	78,055	83,272	103,168	101,082	118,161	126,596	155,454
West Virginia	8,295	8,716	11,075	9,854	9,708	11,929	14,204	15,092
East South Central, total	142,906	158,205	165,738	205,350	219,146	270,537	290,579	311,109
Alabama	45,746	53,565	60,489	70,944	79,921	100,553	106,502	123,373
Kentucky	20,526	19,211	21,281	27,186	27,974	30,721	31,965	36,140
Mississippi	18,207	18,659	18,103	25,150	22,979	31,825	37,891	36,227
Tennessee	58,427	66,770	65,865	82,070	88,272	107,438	114,221	115,369
West South Central, total	300,567	318,708	356,507	420,655	434,494	485,424	517,088	590,849
Arkansas	11,112	10,411	11,935	15,323	14,527	15,487	15,599	19,643
Louisiana	34,475	36,213	40,098	51,373	47,715	59,619	61,456	100,418
Oklahoma	22,795	21,429	24,010	27,880	29,468	32,215	25,495	30,968
Texas	232,185	250,655	280,464	326,079	342,784	378,103	414,538	439,820
Mountain, total	253,635	276,696	328,684	345,949	366,578	392,342	412,334	478,171
Arizona	43,431	49,004	54,295	64,672	65,808	80,345	83,490	103,319
Colorado	77,139	83,570	97,761	104,640	108,473	129,826	145,900	147,301
Idaho	4,834	5,211	15,765	5,757	5,296	6,998	8,647	10,424
Montana	7,445	6,823	7,014	6,549	8,015	8,766	8,554	10,414
Nevada	7,644	7,875	7,299	10,189	10,895	14,955	13,856	14,113
New Mexico	47,944	53,631	65,427	60,630	79,466	55,058	56,163	74,134
Utah	58,129	59,164	65,774	76,557	81,627	86,950	86,648	108,117
Wyoming	7,069	11,418	15,349	16,955	6,998	9,444	9,076	10,349
Pacific, total	833,086	945,737	1,055,852	1,188,994	1,234,207	1,379,461	1,457,359	1,636,624
Alaska	11,206	8,196	10,611	12,214	14,645	15,373	15,928	15,111
California	628,001	724,147	793,609	908,141	953,989	1,057,440	1,109,851	1,258,964
Hawaii	24,493	25,860	24,691	33,656	29,196	39,410	39,651	47,913
Oregon	55,685	56,810	72,618	70,068	71,764	84,038	91,133	90,171
Washington	113,701	130,724	154,323	164,915	164,613	183,200	200,796	224,465
Outlying areas, total	11,587	11,838	10,264	11,708	13,112	15,731	15,548	19,873
Guam	987	1,080	1,038	1,138	1,165	1,107	1,096	1,193
Puerto Rico	8,576	8,496	8,337	9,045	10,268	12,678	12,354	16,561
American Samoa	555	584	200	115	290	340	365	290
Virgin Islands	890	1,067	599	931	916	1,026	1,091	1,052
Trust Territory Pac Isl	579	611	90	479	473	580	642	777

1/ See Technical Notes, scope of survey on DOD funding.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-5. -- Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
	Total, all institutions	4,554,475	5,024,330	5,448,821	6,246,181	6,456,743	7,241,001	7,719,162	8,516,849
1	Johns Hopkins Univ 2/	312,979	318,374	280,530	297,374	331,317	374,656	431,593	411,879
2	Stanford University	124,289	140,090	160,274	174,961	180,186	201,049	210,572	239,847
3	Mass Inst of Technology	148,837	178,706	178,706	189,558	188,120	188,430	187,558	207,157
4	University of Washington	97,690	114,294	136,803	146,179	146,718	164,985	181,301	203,691
5	Univ of Cal Los Angeles	89,661	108,450	110,057	128,211	125,483	148,575	154,964	170,839
6	University of Michigan	79,794	81,248	95,307	108,035	111,232	134,933	148,446	167,865
7	Univ of Cal San Diego	91,297	105,122	104,922	103,633	133,243	151,768	139,149	166,601
8	Univ of Cal San Francisco	66,752	75,718	85,449	98,536	104,453	124,811	147,553	159,027
9	Univ of Wis-Madison	82,417	93,568	99,831	124,604	120,626	134,135	131,186	150,474
10	Columbia Univ Main Div	88,879	101,006	110,089	127,331	127,131	130,724	139,108	150,263
	Total 1st 10 institutions	1,182,595	1,316,576	1,361,968	1,498,422	1,568,509	1,754,066	1,871,430	2,027,643
11	Yale University	78,920	88,335	97,905	109,227	111,687	132,909	135,421	146,245
12	Harvard University	85,757	89,457	98,972	109,414	110,356	123,301	125,242	141,760
13	Cornell University	83,936	93,644	105,338	119,966	112,707	128,750	134,493	139,954
14	Univ of Pennsylvania	76,907	83,251	94,154	103,119	103,584	109,531	120,029	132,805
15	Univ of Cal Berkeley	65,555	75,293	85,852	106,710	96,834	96,748	106,844	131,070
16	University of Minnesota	78,714	74,102	83,905	103,272	100,898	119,746	119,831	128,727
17	Pennsylvania State Univ	50,809	61,798	64,372	76,726	87,041	94,572	105,443	119,435
18	Univ of Southern Cal	50,402	62,837	79,617	89,706	97,292	104,295	99,399	114,766
19	Duke University	50,397	55,619	62,074	69,169	70,034	84,622	92,763	108,611
20	Washington University	52,839	55,754	61,341	71,978	72,750	89,055	95,368	102,974
	Total 1st 20 institutions	1,856,831	2,056,666	2,195,498	2,457,709	2,531,692	2,837,595	3,006,263	3,293,990
21	University of Colorado	43,786	50,626	62,708	71,424	73,630	87,999	105,772	101,345
22	Univ of Ill Urbana	63,923	66,055	68,911	83,122	88,986	96,769	95,748	100,062
23	University of Rochester	46,427	53,358	60,157	70,379	71,521	85,674	94,885	98,550
24	Univ of NC at Chapel Hill	41,890	47,228	48,491	63,105	70,526	81,473	84,918	93,244
25	University of Pittsburgh	39,397	45,805	50,557	58,620	59,373	72,236	79,380	91,094
26	University of Chicago	54,182	62,318	68,703	71,194	71,535	82,769	84,668	90,611
27	Univ of Texas at Austin	44,767	56,300	62,316	72,379	74,028	76,495	84,400	84,619
28	University of Arizona	35,688	40,110	43,380	49,740	51,123	64,351	65,258	82,913
29	New York University	43,643	51,975	55,028	74,577	68,372	75,966	79,516	77,761
30	University of Iowa	36,971	41,121	48,378	55,117	52,226	63,[illegible]79	72,309	76,059
	Total 1st 30 institutions	2,307,505	2,571,562	2,764,127	3,127,366	3,213,012	3,624,806	3,853,117	4,190,248
31	Ohio State University	41,073	45,543	48,339	56,065	58,078	64,624	62,946	72,702
32	Univ Alabama Birmingham	28,731	32,627	37,839	44,093	45,856	62,240	59,933	70,702
33	Case Western Reserve Univ	34,834	38,438	43,931	47,994	49,331	56,774	62,989	69,589
34	Baylor Col of Medicine	36,972	35,551	39,340	45,837	47,022	56,255	63,117	69,499
35	California Inst of Tech	36,672	44,076	48,589	55,083	59,707	57,122	65,982	69,335
36	Yeshiva University	44,237	51,279	53,077	56,988	58,518	65,028	67,096	68,553
37	Woods Hole Ocngrphic Inst	32,877	31,039	39,705	31,392	36,300	34,711	35,285	67,289
38	University of Massachuset	27,251	29,913	35,145	46,046	47,195	57,926	62,300	67,183
39	Vanderbilt University	28,739	31,996	35,338	39,909	43,990	54,653	58,389	63,978
40	Purdue University	38,142	37,346	41,892	51,544	46,827	46,227	45,907	62,751
	Total 1st 40 institutions	2,657,033	2,949,370	3,187,322	3,602,317	3,705,836	4,180,366	4,437,061	4,871,829
41	University of Utah	39,886	40,853	45,427	50,938	55,290	56,590	56,686	61,361
42	Georgia Institute of Tech	43,530	45,835	38,460	51,585	46,557	45,157	55,486	60,949
43	Univ of MD College Park	28,355	35,514	38,260	51,073	53,906	48,728	54,580	60,252
44	University of Miami	27,070	28,936	27,880	33,709	37,618	49,547	58,241	60,135
45	Univ of Cal Davis	32,700	35,729	37,586	43,156	43,618	50,289	55,239	60,100
46	Boston University	30,397	38,406	39,306	46,152	48,518	53,381	53,930	60,029
47	University of Florida	35,106	35,549	40,847	47,716	48,911	52,888	55,748	58,696
48	Carnegie-Mellon Univ	25,463	36,345	27,650	48,872	59,854	69,454	74,577	57,605
49	Northwestern University	33,117	37,284	42,864	48,260	43,609	53,061	53,105	57,494
50	Indiana University	30,056	30,559	35,123	39,118	[illegible],879	50,005	52,664	55,449
	Total 1st 50 institutions	2,982,713	3,314,380	3,560,725	4,062,896	4,185,596	4,709,466	5,007,317	5,463,899

See explanatory material at end of table.

(Continued)

Table B-5. -- Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
51	Michigan State University	35,667	41,935	41,205	46,945	48,740	48,797	50,891	54,382
52	University of Virginia	25,688	27,984	30,279	37,415	39,136	44,831	46,045	51,990
53	U Tex Sw Med Ctr - Dallas	23,966	27,787	32,949	37,432	40,330	45,994	46,645	48,591
54	Univ of Cal Irvine	22,003	23,874	26,798	31,515	33,607	39,384	40,947	47,303
55	Princeton University	23,668	26,782	28,783	34,720	42,674	44,286	45,365	47,037
56	Tulane University	8,839	11,636	11,096	12,725	12,522	18,062	17,240	46,873
57	Emory University	18,574	20,569	23,621	27,005	30,981	47,294	50,889	45,840
58	University of Georgia	16,991	22,538	23,186	23,800	32,267	33,489	37,190	45,627
59	Texas A & M University	33,144	35,407	31,072	38,891	35,891	38,083	43,216	44,928
60	New Mexico State Univ	21,068	27,452	26,660	24,861	39,297	25,072	33,214	44,210
	Total 1st 60 institutions	3,212,321	3,580,344	3,836,374	4,378,205	4,541,041	5,094,758	5,418,959	5,940,680
61	N C State Univ at Raleigh	18,158	20,604	22,639	27,387	27,482	30,195	31,743	43,466
62	Univ of Ill Chicago	21,227	23,303	23,324	30,145	31,970	36,434	39,779	43,271
63	Utah State University	16,047	16,093	17,416	22,067	21,812	25,170	26,696	43,219
64	Virginia Commonwlth Univ	16,485	19,856	21,684	28,896	26,598	31,477	32,413	42,684
65	Oregon State University	33,245	31,030	37,499	33,801	37,097	40,059	40,988	42,562
66	SUNY at Stony Brook	22,221	24,941	29,770	35,059	36,102	38,014	41,905	41,251
67	University of Cincinnati	20,126	20,403	23,860	27,886	29,770	34,648	37,430	40,996
68	Mt Sinai Sch of Medicine	19,433	22,595	26,796	28,059	28,963	34,851	35,220	40,873
69	University of Connecticut	24,972	26,397	28,060	32,805	32,604	38,806	38,167	39,761
70	Louisiana State Univ	22,754	22,040	26,356	35,527	31,510	36,501	38,882	39,088
	Total 1st 70 institutions	3,426,989	3,807,606	4,093,778	4,679,837	4,844,949	5,440,913	5,782,182	6,357,851
71	Tufts University	16,808	24,604	27,995	34,495	37,242	36,241	35,341	38,566
72	Univ of Cal Santa Barbara	13,329	16,895	18,738	23,730	28,880	27,322	31,878	37,444
73	Univ of Hawaii-Manoa	20,000	24,226	23,925	32,812	27,758	29,154	33,044	36,693
74	Rutgers the St Univ of NJ	17,482	19,647	24,027	26,889	23,092	25,650	28,645	36,241
75	Colorado State University	22,614	25,022	25,002	24,767	27,303	31,492	32,164	36,120
76	Rockefeller University	20,807	25,245	29,484	35,285	33,940	37,051	37,317	35,586
77	Univ of MD Balt Prof Sch	22,355	18,679	19,943	20,986	24,574	28,278	31,322	34,648
78	VA Polytech Inst & St U	18,680	20,602	21,214	24,590	23,363	23,588	27,265	34,585
79	SUNY at Buffalo All Cmps	16,123	17,175	19,270	23,051	22,668	27,255	29,884	33,934
80	Brown University	18,031	19,790	22,996	26,079	29,987	27,710	31,367	33,000
	Total 1st 80 institutions	3,613,218	4,019,491	4,326,372	4,952,521	5,123,756	5,734,654	6,100,409	6,714,668
81	Univ of Med & Dent of N J	10,933	11,870	14,349	16,746	15,223	22,239	25,647	32,369
82	U Tex Hlth Sci Ctr S Anto	14,456	14,392	18,562	23,680	21,504	26,725	28,017	31,534
83	Univ of VT & St Agric Col	13,000	13,309	18,249	19,180	21,967	23,922	27,914	29,351
84	U Tex Hlth Sci Ctr Houstn	13,896	13,703	16,206	21,607	22,588	28,148	27,547	28,591
85	Florida State University	13,410	14,107	12,504	19,894	21,418	25,570	24,845	28,021
86	U TX MD Anderson Cncr Ctr	15,346	14,693	17,708	19,925	20,576	26,134	28,408	27,772
87	University of Kentucky	14,764	14,317	16,268	21,951	22,394	23,826	24,401	27,349
88	Wake Forest University	10,116	10,017	14,660	15,228	17,480	21,100	27,572	27,314
89	Wayne State University	12,280	15,304	14,282	16,598	15,015	19,603	24,680	26,945
90	Iowa St U of Sci & Tech	10,869	11,908	13,384	14,555	21,207	17,379	15,955	25,987
	Total 1st 90 institutions	3,742,288	4,153,111	4,482,544	5,141,885	5,323,128	5,969,300	6,355,395	6,999,901
91	University of New Mexico	24,724	22,189	33,842	31,362	34,947	25,078	20,136	24,835
92	Georgetown University	12,259	20,865	14,463	18,194	15,023	20,046	25,230	24,728
93	Dartmouth College	10,161	10,568	13,383	16,380	19,306	21,489	24,095	24,065
94	University of Kansas	15,450	15,368	15,869	20,123	20,183	22,988	23,179	23,380
95	Oregon Hlth Sciences Univ	9,546	10,270	9,947	12,073	14,064	17,884	20,670	23,231
96	U Tex Med Brnch Galveston	10,057	10,778	13,124	17,185	17,479	20,202	22,154	23,096
97	Univ of Missouri Columbia	15,139	16,939	17,810	22,343	21,997	22,035	21,209	23,042
98	Temple University	14,816	16,100	17,281	18,954	17,477	21,361	22,557	22,929
99	George Washington Univ	16,279	17,791	15,122	15,776	16,359	23,640	33,431	22,730
100	University of Dayton	17,094	18,175	17,938	19,460	22,612	19,944	20,639	21,576
	Total 1st 100 institutions	3,887,813	4,312,154	4,651,323	5,333,735	5,522,575	6,183,967	6,588,695	7,233,513

1/ Does not include R&D obligations to university-administered FFRDCs.

2/ See Technical Notes, scope of survey.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-6. -- Federal obligations to universities and colleges for fellowships, traineeships, and training grants by detailed field: fiscal years 1982-89

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	1982	1983	1984	1985	1986	1987	1988	1989
Total, all fields	176,582	189,616	194,895	253,082	246,196	290,942	309,348	340,985
Engineering, total	6,380	8,364	9,835	10,596	10,797	12,024	15,008	16,428
Aeronautical	980	966	598	528	689	825	1,368	1,000
Astronautical	0	38	0	0	18	0	36	3
Chemical	855	1,010	1,817	1,790	1,472	1,463	1,500	1,636
Civil	136	271	719	866	956	529	368	1,054
Electrical	805	829	1,321	1,536	1,750	2,992	3,468	3,816
Mechanical	556	128	871	1,091	1,295	1,294	2,024	1,734
Metallurgy & materials	66	154	243	177	318	250	324	345
Engineering, n.e.c.	2,982	4,968	4,266	4,608	4,299	4,671	5,920	6,840
All sciences, total	170,202	181,252	185,060	242,486	235,399	278,918	294,340	324,557
Physical sciences, total	4,708	4,961	5,190	6,912	7,207	9,917	11,556	10,778
Astronomy	276	234	280	467	533	576	931	652
Chemistry	2,760	3,078	3,008	3,841	3,500	4,992	5,343	5,680
Physics	1,600	1,603	1,836	2,538	3,089	4,233	4,920	4,039
Physical sciences, n.e.c.	72	46	66	66	85	116	362	407
Mathematical/computer sciences, total	2,120	3,047	3,956	4,873	4,569	5,213	6,057	7,108
Mathematical sciences	2,108	1,732	3,266	4,198	3,808	4,272	5,028	5,767
Computer sciences	12	922	317	675	500	676	934	868
Math/computer sci, n.e.c. 1/	0	393	373	0	261	265	95	473
Environmental sciences, total	1,150	1,531	1,984	2,508	2,438	2,705	5,486	4,144
Atmospheric sciences	91	92	99	117	164	197	464	531
Geological sciences	833	943	1,362	1,654	1,500	1,278	1,565	1,302
Oceanography	169	374	176	181	166	388	2,831	1,350
Environmental sciences, n.e.c.	57	122	347	556	608	842	626	961
Life sciences, total	131,244	150,569	151,569	201,564	192,038	215,300	216,550	231,191
Biological (excl. env bio)	39,652	43,481	50,314	61,889	59,441	67,019	72,893	84,400
Environmental biology	1,081	5,094	4,174	5,331	5,212	6,026	5,874	6,061
Agricultural	0	371	173	5,966	4,036	4,723	3,641	3,398
Medical	90,328	101,529	96,852	128,075	122,530	136,702	133,152	136,441
Life sciences, n.e.c.	183	94	56	303	819	830	990	891
Psychology, total	4,824	8,932	10,529	13,615	13,795	14,915	15,640	16,840
Biological aspects	24	865	0	0	0	0	18	36
Social aspects	1,177	512	1,120	1,649	1,855	1,814	1,892	2,178
Psychology, n.e.c.	3,623	7,555	9,409	11,966	11,940	13,101	13,730	14,626
Social sciences, total	4,466	7,981	8,538	9,569	10,501	23,220	30,275	30,086
Anthropology	821	754	826	867	902	900	990	1,008
Economics	928	1,079	1,195	1,207	1,040	1,143	1,692	2,022
History	132	66	140	201	246	378	414	414
Linguistics	197	230	266	289	272	288	324	396
Political science	264	264	336	544	624	9,550	12,839	12,584
Sociology	264	273	308	410	1,254	1,502	1,743	1,809
Social sciences, n.e.c.	1,860	5,315	5,467	6,051	6,163	9,459	12,273	11,853
Other sciences, n.e.c.	21,690	4,231	3,294	3,445	4,851	7,648	8,776	24,410

n.e.c. = Not elsewhere classified.

1/ Data not collected in FY 1985. Included under "mathematical sciences."

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-7. -- Federal academic science/engineering obligations to universities and colleges by geographic division, State, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	10,073,144	721,675	73,992	1,486,428	275,351	561,108	85,817	4,916,250	56,160	461,941	1,336,231	98,191
New England, total	1,052,709	40,545	11,032	140,601	19,603	88,728	8,533	525,542	2,455	36,196	168,894	10,580
Connecticut	212,774	3,959	3,376	11,243	4,309	10,584	958	160,025	150	1,192	16,978	0
Maine	13,472	5,258	2,060	176	1,343	0	716	1,116	368	387	2,048	0
Massachusetts	694,978	18,804	4,043	116,288	8,532	74,213	5,366	301,511	901	27,930	127,191	10,199
New Hampshire	40,663	3,459	199	2,469	709	977	481	21,230	280	5,263	5,596	0
Rhode Island	54,066	2,436	1,354	10,252	1,308	2,640	774	17,860	606	1,424	15,031	381
Vermont	36,756	6,629	0	173	3,402	314	238	23,800	150	0	2,050	0
Middle Atlantic, total	1,633,248	51,705	4,623	178,007	41,455	78,546	13,299	944,130	8,497	37,636	262,928	12,422
New Jersey	137,472	8,287	102	14,662	4,058	6,505	3,807	62,471	667	4,005	32,423	485
New York	957,265	22,061	3,681	65,553	23,431	46,509	6,767	595,578	1,453	18,521	163,750	9,961
Pennsylvania	538,511	21,357	840	97,792	13,966	25,532	2,725	286,081	6,377	15,110	66,755	1,976
East North Central, total	1,298,632	96,381	8,465	105,737	34,476	68,388	12,152	650,293	2,991	60,067	236,362	23,320
Illinois	376,154	19,464	1,668	32,548	16,323	22,029	2,449	177,577	816	12,022	88,598	2,660
Indiana	152,837	17,215	0	10,259	4,007	11,828	1,298	60,366	559	4,199	39,285	3,821
Michigan	293,896	23,213	3,215	16,606	7,549	13,147	4,243	159,424	717	12,949	47,568	5,265
Ohio	264,557	19,344	1,060	36,392	2,671	5,297	2,823	137,550	402	20,838	27,759	10,421
Wisconsin	211,188	17,145	2,522	9,932	3,926	16,087	1,339	115,376	497	10,059	33,152	1,153
West North Central, total	606,785	104,495	3,365	42,652	17,194	14,310	6,859	329,968	4,932	22,122	54,326	6,562
Iowa	123,633	23,544	2,754	3,834	2,923	1,208	1,137	65,460	541	13,286	8,337	609
Kansas	53,138	12,728	82	1,816	6,208	2,346	2,622	19,277	196	1,418	5,654	789
Minnesota	181,606	16,197	30	32,451	3,061	5,202	2,148	97,342	671	2,715	21,721	68
Missouri	178,774	19,326	158	2,910	2,363	3,077	387	130,011	2,294	3,475	12,742	2,031
Nebraska	36,312	11,565	310	1,334	1,256	412	12	14,991	180	691	2,996	2,565
North Dakota	21,840	14,823	31	307	569	1,950	553	1,941	527	111	528	500
South Dakota	11,482	6,312	0	0	814	115	0	946	521	426	2,348	0
South Atlantic, total	1,882,292	125,181	14,897	559,557	52,867	84,562	18,491	784,829	7,333	61,801	145,774	27,000
Delaware	19,806	3,913	1,291	2,836	1,693	585	273	3,471	150	619	4,975	0
District of Columbia	80,624	2,071	355	6,577	10,257	1,695	983	44,667	150	4,715	6,426	2,728
Florida	224,558	17,712	2,556	43,960	9,972	17,560	1,637	94,104	789	6,236	28,373	1,659
Georgia	217,051	20,742	1,467	64,577	2,597	18,894	2,018	79,278	872	7,233	17,968	1,405
Maryland	727,151	10,324	3,317	396,282	9,807	8,742	3,804	235,278	5	17,817	29,551	12,224
North Carolina	331,683	27,341	1,597	20,438	8,223	6,722	7,673	216,563	449	7,291	30,795	4,591
South Carolina	66,126	14,559	1,804	8,205	2,331	9,567	324	21,191	266	797	7,082	0
Virginia	181,976	17,952	1,478	15,881	6,660	10,556	1,763	84,123	2,466	16,826	19,878	4,393
West Virginia	33,317	10,567	1,032	801	1,327	10,241	16	6,154	2,186	267	726	0
East South Central, total	394,946	83,405	1,213	23,082	13,401	13,926	1,842	201,628	4,301	24,751	25,667	1,730
Alabama	146,608	19,831	147	13,064	3,150	1,970	463	80,249	1,074	18,554	6,914	1,192
Kentucky	50,605	20,012	30	1,000	1,216	2,220	305	20,707	470	703	3,892	50
Mississippi	55,277	24,764	1,036	4,480	3,259	4,301	76	10,631	1,916	1,408	3,278	128
Tennessee	142,456	18,798	0	4,538	5,776	5,435	998	90,041	841	4,086	11,583	360
West South Central, total	721,060	84,135	5,120	105,083	24,339	50,184	6,763	338,209	3,783	32,567	67,010	3,867
Arkansas	31,866	15,814	0	856	3,399	1,177	454	8,059	164	282	1,639	22
Louisiana	131,872	14,617	1,624	36,534	2,162	16,150	1,309	46,572	1,744	2,189	7,416	1,555
Oklahoma	53,133	14,636	108	4,693	4,577	6,201	649	11,107	548	3,805	6,756	53
Texas	504,189	39,068	3,388	63,000	14,201	26,656	4,351	272,471	1,327	26,291	51,199	2,237
Mountain, total	566,572	45,025	4,717	106,518	24,857	30,535	7,847	190,179	11,492	59,630	83,105	2,667
Arizona	125,344	6,751	162	11,449	5,987	13,043	842	45,109	1,759	18,001	21,010	1,231
Colorado	166,544	10,078	2,280	13,061	5,470	6,778	1,895	77,164	1,816	16,000	31,689	313
Idaho	18,473	6,270	824	3,152	1,179	285	278	969	2,104	1,692	1,612	108
Montana	15,588	5,479	46	259	1,682	44	817	2,828	740	272	3,095	326
Nevada	15,991	2,701	1,386	128	220	123	2,561	3,930	1,647	402	2,865	28
New Mexico	85,426	5,092	0	33,172	2,691	4,113	90	11,602	696	21,455	6,515	0
Utah	126,791	5,194	0	43,831	7,435	5,544	1,069	47,357	2,056	1,620	12,024	661
Wyoming	12,415	3,460	19	1,466	193	605	295	1,220	674	188	4,295	0
Pacific, total	1,878,302	73,458	20,070	224,608	44,566	131,804	10,019	938,544	9,926	126,847	288,417	10,043
Alaska	18,866	2,479	2,367	754	470	704	0	754	786	3,383	7,169	0
California	1,396,606	25,576	4,227	169,266	27,160	94,490	6,933	731,443	5,375	109,625	217,089	5,422
Hawaii	67,163	6,572	9,001	16,666	790	1,737	0	10,626	676	6,095	12,426	2,574
Oregon	139,024	20,337	2,572	8,881	6,758	26,652	1,506	47,329	1,839	3,241	18,845	1,064
Washington	256,643	18,494	1,903	29,041	9,388	8,221	1,580	148,392	1,250	4,503	32,888	983
Outlying areas, total	38,598	17,345	490	583	2,593	125	12	12,928	450	324	3,748	0
Guam	2,669	1,697	0	0	658	0	0	75	150	0	89	0
Puerto Rico	31,523	11,679	490	583	1,935	125	12	12,566	150	324	3,659	0
American Samoa	660	660	0	0	0	0	0	0	0	0	0	0
Virgin Islands	2,083	1,646	0	0	0	0	0	287	150	0	0	0
Trust Territory Pac Isl	1,663	1,663	0	0	0	0	0	0	0	0	0	0

1, Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-8. -- Federal obligations for fellowships, traineeships, and training grants to universities and colleges by geographic division, State, and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS 1/	Int	NASA	NSF	Other 2/
United States, total	340,985	4,647	1,240	69	23,391	939	8,314	256,209	0	13,009	32,976	191
New England, total	45,631	0	0	26	1,946	292	160	35,561	0	824	6,822	0
Connecticut	12,167	0	0	3	433	27	24	10,834	0	72	774	0
Maine	252	0	0	0	16	0	0	200	0	18	18	0
Massachusetts	30,336	0	0	23	1,404	265	130	22,169	0	459	5,886	0
New Hampshire	1,006	0	0	0	93	0	6	668	0	203	36	0
Rhode Island	1,125	0	0	0	0	0	0	945	0	72	108	0
Vermont	745	0	0	0	0	0	0	745	0	0	0	0
Middle Atlantic, total	58,305	288	0	16	4,677	123	1,132	46,260	0	1,024	4,770	15
New Jersey	6,186	144	0	6	1,111	14	820	2,762	0	123	1,206	0
New York	33,863	96	0	2	2,184	109	240	28,462	0	541	2,214	15
Pennsylvania	18,256	48	0	8	1,382	0	72	15,036	0	360	1,350	0
East North Central, total	48,198	942	6	9	4,574	28	1,130	34,831	0	1,969	4,680	29
Illinois	15,136	222	0	0	1,776	14	136	10,879	0	358	1,746	5
Indiana	4,636	288	0	0	834	0	30	2,840	0	171	468	5
Michigan	13,190	288	0	6	1,458	0	482	9,506	0	226	1,224	0
Ohio	8,261	144	6	3	256	0	432	5,863	0	1,160	378	19
Wisconsin	6,975	0	0	0	250	14	50	5,743	0	54	864	0
West North Central, total	22,441	151	0	4	1,372	0	1,433	18,329	0	378	774	0
Iowa	4,391	0	0	0	271	0	280	3,606	0	90	144	0
Kansas	1,667	0	0	0	200	0	441	903	0	105	18	0
Minnesota	5,079	0	0	0	145	0	600	3,920	0	90	324	0
Missouri	10,789	103	0	0	603	0	100	9,620	0	93	270	0
Nebraska	346	48	0	0	0	0	12	268	0	0	18	0
North Dakota	83	0	0	4	67	0	0	12	0	0	0	0
South Dakota	86	0	0	0	86	0	0	0	0	0	0	0
South Atlantic, total	47,078	1,384	39	3	1,964	82	1,046	36,922	0	3,330	2,250	58
Delaware	469	102	0	0	64	0	20	175	0	36	72	0
District of Columbia	1,761	103	24	0	261	0	272	762	0	285	54	0
Florida	5,187	246	0	0	128	0	238	3,640	0	701	234	0
Georgia	2,993	139	0	0	319	14	80	1,529	0	533	360	19
Maryland	13,431	198	15	3	273	0	40	11,760	0	581	522	39
North Carolina	14,522	343	0	0	713	14	140	12,524	0	122	666	0
South Carolina	1,088	102	0	0	0	54	186	589	0	67	90	0
Virginia	7,199	151	0	0	158	0	54	5,615	0	969	252	0
West Virginia	428	0	0	0	48	0	16	328	0	36	0	0
East South Central, total	12,757	512	0	3	512	63	358	10,464	0	678	162	5
Alabama	4,695	204	0	0	210	0	24	3,700	0	552	0	5
Kentucky	651	102	0	0	64	0	18	413	0	18	36	0
Mississippi	1,344	103	0	3	220	50	76	820	0	54	18	0
Tennessee	6,067	103	0	0	18	13	240	5,531	0	54	108	0
West South Central, total	15,810	602	0	0	1,196	173	653	10,626	0	1,685	828	47
Arkansas	267	102	0	0	0	0	80	45	0	18	0	22
Louisiana	2,466	103	0	0	97	14	161	1,428	0	609	54	0
Oklahoma	1,142	150	0	0	487	56	140	255	0	18	36	0
Texas	11,935	247	0	0	612	103	272	8,898	0	1,040	738	25
Mountain, total	13,349	144	0	3	1,319	28	1,470	8,537	0	1,002	846	0
Arizona	2,786	0	0	0	510	0	170	1,540	0	350	216	0
Colorado	6,667	144	0	0	498	0	674	4,599	0	410	342	0
Idaho	116	0	0	0	0	14	102	0	0	0	0	0
Montana	234	0	0	0	21	0	80	115	0	0	18	0
Nevada	286	0	0	0	0	0	66	220	0	0	0	0
New Mexico	1,103	0	0	0	19	14	90	628	0	242	90	0
Utah	1,970	0	0	3	242	0	128	1,435	0	0	162	0
Wyoming	187	0	0	0	9	0	160	0	0	0	18	0
Pacific, total	76,453	624	1,195	5	5,699	150	920	53,981	0	1,998	11,844	37
Alaska	1,215	0	1,158	0	0	0	0	21	0	18	18	0
California	61,249	384	37	5	4,746	55	684	42,596	0	1,713	11,034	15
Hawaii	602	0	0	0	0	48	0	485	0	33	36	0
Oregon	2,604	96	0	0	212	0	114	1,944	0	108	108	22
Washington	10,783	144	0	0	741	47	142	8,935	0	126	648	0
Outlying areas, total	963	0	0	0	132	0	12	698	0	121	0	0
Puerto Rico	963	0	0	0	132	0	12	698	0	121	0	0

1/ See Technical Notes, scope of survey. Institutional detail was not available for approximately $9 million, and is not included in the totals for HHS.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-9. -- Federal obligations for academic science/engineering to the 100 universities and colleges receiving the largest amounts by agency: Fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	10,073,144	721,675	73,992	1,486,428	275,351	561,108	85,817	4,916,250	56,160	461,941	1,336,231	98,191
1	Johns Hopkins University	604,567	48	106	378,658	3,662	1,801	324	194,013	0	4,489	10,634	10,832
2	Stanford University	265,282	854	48	39,635	2,597	23,336	3,368	121,814	119	41,807	31,704	0
3	Mass Inst of Technology	231,126	0	50	42,576	678	62,559	381	56,893	485	19,433	45,256	2,815
4	University of Washington	222,126	2,257	1,903	27,754	6,478	6,825	1,064	141,728	854	4,049	28,231	983
5	Univ of Cal Los Angeles	182,282	160	53	11,309	2,858	17,899	540	123,380	75	6,156	19,764	88
6	University of Michigan	182,243	1,433	3,085	11,378	2,731	8,445	3,687	115,232	0	12,043	21,762	2,447
7	Cornell University	181,492	21,111	0	15,153	1,222	4,169	835	71,259	346	5,329	61,612	456
8	Univ of Cal San Diego	176,478	470	2,897	29,104	35	3,399	0	96,332	291	12,067	31,883	0
9	University of Minnesota	174,043	16,197	30	32,451	724	5,202	1,159	95,056	671	2,675	19,810	68
10	Univ of Cal San Francisco	171,384	0	0	2,706	8	3,456	175	161,158	0	1,283	2,537	61
	Total 1st 10 institutions	2,391,023	42,530	8,172	590,724	20,993	137,091	11,533	1,176,865	2,841	109,331	273,193	17,750
11	Univ of Wis-Madison	171,168	16,050	125	8,902	50	14,376	610	91,999	272	9,452	28,355	977
12	Columbia Univ Main Div	165,056	0	0	11,464	1,518	6,773	53	108,873	908	3,944	29,362	2,161
13	Yale University	162,017	47	30	8,164	564	10,020	327	130,780	0	940	11,145	0
14	Harvard University	161,251	0	0	7,522	1,609	4,642	848	115,120	77	4,475	20,852	6,106
15	Univ of Cal Berkeley	147,478	8,872	749	12,701	10,373	4,220	412	43,453	446	24,578	39,988	1,686
16	Univ of Pennsylvania	145,478	1,259	0	8,054	1,685	6,860	12	110,559	0	459	16,158	432
17	Pennsylvania State Univ	135,092	19,668	353	51,110	1,293	4,417	656	28,048	5,670	8,406	13,928	1,543
18	Univ of Ill Urbana	120,659	18,434	117	18,997	301	11,714	1,646	18,651	431	3,626	44,172	2,570
19	Univ of Southern Cal	118,775	0	0	33,945	1,240	1,532	72	64,353	175	5,290	11,618	550
20	Duke University	117,850	276	0	6,031	142	3,824	2,109	94,040	0	763	10,665	0
	Total 1st 20 institutions	3,835,847	107,136	9,546	757,614	39,768	205,469	18,278	1,982,741	10,820	171,264	499,436	33,775
21	Washington University	115,160	150	0	1,559	571	1,485	75	102,684	0	2,882	5,754	0
22	University of Colorado	110,494	0	2,280	6,438	2,151	4,168	508	60,684	667	13,431	20,114	53
23	University of Rochester	106,183	0	0	6,720	258	17,217	0	72,686	0	195	9,067	0
24	University of Chicago	100,914	284	67	2,346	1,033	4,420	24	67,767	0	6,427	18,546	0
25	Univ of NC at Chapel Hill	99,357	240	205	3,605	0	877	2,579	83,876	0	628	7,347	0
26	University of Pittsburgh	98,353	100	163	4,202	5,437	2,002	1,113	76,580	0	1,269	7,487	0
27	University of Arizona	92,224	6,607	142	8,475	4,012	1,741	599	40,134	1,281	16,150	12,023	1,060
28	Univ of Texas at Austin	87,432	260	0	33,073	1,062	16,367	362	13,545	458	6,633	14,383	1,289
29	Ohio State University	86,055	19,104	724	4,945	23	3,440	438	31,420	402	5,395	12,744	7,420
30	New York University	82,947	0	0	4,184	1,616	4,408	497	62,393	0	575	5,449	3,825
	Total 1st 30 institutions	4,814,966	133,881	13,127	833,161	55,971	261,594	24,473	2,594,510	13,628	224,849	612,350	47,422
31	University of Iowa	81,838	100	126	2,694	1,307	431	598	60,771	0	12,428	3,383	0
32	California Inst of Tech	76,974	0	86	14,425	0	10,032	274	15,110	948	7,706	28,393	0
33	Purdue University	75,869	16,732	0	8,194	1,019	5,017	575	19,953	459	3,231	16,877	3,812
34	Univ Alabama Birmingham	75,153	100	15	1,279	1,287	0	0	67,354	0	2,659	2,459	0
35	Yeshiva University	75,132	0	0	176	1,209	0	0	73,350	0	0	397	0
36	Case Western Reserve Univ	74,430	0	56	3,602	567	510	0	57,258	0	6,744	5,013	680
37	University of Massachuset	73,345	6,453	66	11,894	922	1,530	323	37,984	208	1,303	12,662	0
38	Baylor Col of Medicine	72,715	7,040	0	1,047	1,657	341	0	61,945	0	667	18	0
39	Georgia Institute of Tech	72,639	15	402	54,098	255	1,264	448	4,030	288	5,511	6,224	104
40	University of Utah	72,106	180	0	11,429	1,350	4,313	134	45,008	1,056	796	7,555	285
	Total 1st 40 institutions	5,565,167	164,501	13,878	941,999	65,544	285,032	26,825	3,037,273	16,587	265,894	695,331	52,303
41	Vanderbilt University	71,263	45	0	1,390	3,352	542	0	59,055	0	2,670	4,209	0
42	Univ of MD College Park	70,824	8,110	897	11,801	3,534	6,810	3,442	5,829	0	12,964	16,332	1,105
43	University of Florida	70,706	14,405	1,945	6,939	1,592	3,074	825	30,046	769	1,460	8,548	1,103
44	Michigan State University	69,762	21,377	85	1,620	3,037	3,777	461	16,831	200	535	19,452	2,387
45	Woods Hole Ocngrphic Inst	69,486	0	3,481	38,365	0	428	0	443	0	222	26,547	0
46	Boston University	66,235	0	39	6,079	1,737	2,232	146	48,389	13	1,555	6,045	0
47	Texas A & M University	65,052	26,093	2,108	6,735	603	4,864	253	7,952	393	4,154	11,707	190
48	Univ of Cal Davis	64,271	3,493	111	1,803	874	5,537	304	41,800	362	1,466	6,561	1,960
49	Northwestern University	64,214	60	91	4,308	2,189	3,900	0	37,988	47	1,434	14,107	90
50	University of Miami	63,781	0	46	4,798	1,459	293	0	48,067	0	1,266	7,852	0
	Total 1st 50 institutions	6,240,761	238,084	22,681	1,025,837	83,921	316,489	32,256	3,333,673	18,371	293,620	816,691	59,138

See explanatory material at end of table.

(Continued)

Table B-9. -- Federal obligations for academic science/engineering to the 100 universities and colleges receiving the largest amounts by agency: Fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Louisiana State Univ	61,726	11,335	383	2,385	838	15,837	948	23,505	484	685	5,326	0
52	Indiana University	61,604	483	0	725	2,408	2,887	312	37,036	100	651	16,997	5
53	Carnegie-Mellon Univ	60,277	0	27	26,666	131	4,050	340	7,607	446	3,697	17,313	0
54	University of Georgia	59,715	17,649	1,065	632	1,060	16,466	1,211	12,255	443	623	7,036	1,275
55	N C State Univ at Raleigh	58,935	22,183	1,340	8,303	970	1,671	2,851	4,819	391	3,647	9,019	3,741
56	University of Virginia	57,292	28	491	4,271	1,992	2,232	298	37,418	9	3,313	7,032	208
57	Oregon State University	56,010	19,855	2,508	6,279	472	1,271	1,416	7,835	1,603	2,078	11,799	894
58	Univ of Hawaii-Manoa	54,518	5,773	0	16,666	0	1,689	0	10,039	0	6,095	12,192	2,064
59	U Tex Sw Med Ctr - Dallas	52,642	0	0	190	341	0	0	50,499	0	1,080	532	0
60	Oregon Hlth Sciences Univ	51,861	0	0	338	0	22,000	0	29,278	0	70	177	0
	Total 1st 60 institutions	6,815,341	315,390	28,495	1,092,290	92,133	384,592	39,632	3,583,964	21,847	315,559	904,114	67,325
61	Princeton University	51,396	0	30	9,175	969	5,436	265	14,267	360	3,587	17,307	0
62	Utah State University	50,735	4,864	0	31,950	5,918	1,061	845	2,024	901	824	1,972	376
63	New Mexico State Univ	50,372	5,052	0	20,485	216	1,136	90	1,478	394	19,487	2,034	0
64	Univ of Cal Irvine	50,199	296	57	4,386	531	3,834	320	31,785	0	1,249	7,741	0
65	Tulane University	48,420	0	0	26,344	556	0	90	19,088	0	102	685	1,555
66	Emory University	48,030	0	0	1,239	412	99	0	44,318	0	285	1,677	0
67	VA Polytech Inst & St U	46,491	14,315	50	6,363	242	7,269	1,143	2,639	2,369	4,088	7,489	524
68	University of Connecticut	46,395	3,912	3,346	3,079	2,472	477	586	28,068	150	172	4,133	0
69	Univ of Ill Chicago	46,266	65	50	4,942	1,641	762	394	32,854	0	258	5,300	0
70	Virginia Commonwlth Univ	45,692	0	0	1,405	2,793	187	180	39,800	0	477	850	0
	Total 1st 70 institutions	7,299,337	343,894	32,028	1,201,658	107,883	404,853	43,545	3,770,285	26,021	346,088	953,302	69,780
71	Rutgers the St Univ of NJ	44,705	8,072	72	2,838	1,700	637	1,103	16,132	156	187	13,412	396
72	SUNY at Stony Brook	44,406	0	0	356	199	4,912	0	25,133	54	1,194	12,558	0
73	University of Cincinnati	43,623	203	260	2,639	127	516	1,258	34,342	0	1,969	2,309	0
74	Mt Sinai Sch of Medicine	42,970	0	0	0	291	256	144	41,651	0	312	316	0
75	Colorado State University	42,523	10,007	0	4,684	583	1,149	905	14,569	608	1,430	8,328	260
76	Univ of Cal Santa Barbara	41,978	180	122	13,247	785	3,413	406	4,223	1,397	1,162	15,989	1,054
77	SUNY at Buffalo All Cmps	40,906	0	0	1,909	564	557	0	27,209	0	1,273	9,394	0
78	Tufts University	40,240	11,345	0	382	446	1,039	3,650	21,142	0	5	1,775	456
79	Iowa St U of Sci & Tech	38,947	23,444	2,628	1,140	253	777	259	4,411	540	858	4,028	609
80	University of Kentucky	38,616	16,131	30	900	484	1,935	210	15,110	470	437	2,859	50
	Total 1st 80 institutions	7,718,251	413,276	35,140	1,229,753	113,315	420,044	51,480	3,974,207	29,246	354,915	1,024,270	72,605
81	Rockefeller University	37,014	0	0	0	0	1,245	357	34,413	0	0	999	0
82	Univ of MD Balt Prof Sch	35,918	0	0	2,520	95	0	10	32,636	0	0	657	0
83	Brown University	35,604	0	113	7,322	785	2,640	0	14,952	216	1,391	8,185	0
84	Univ of VT & St Agric Col	35,575	6,629	0	173	2,485	314	238	23,800	150	0	1,786	0
85	Univ of Missouri Columbia	35,006	15,604	0	560	635	802	224	12,510	299	223	2,231	1,918
86	Univ of Med & Dent of N J	34,417	215	0	914	54	185	359	31,952	0	181	557	0
87	U Tex Hlth Sci Ctr S Anto	33,463	0	0	340	154	0	0	32,248	0	44	677	0
88	U Tennessee Knoxville	31,733	15,128	0	1,848	1,600	4,093	0	4,433	150	992	3,489	0
89	West Virginia University	30,520	10,562	200	704	1,245	10,071	0	4,699	2,136	242	661	0
90	U Tex Hlth Sci Ctr Houstn	29,849	0	0	0	0	73	186	28,927	0	563	100	0
	Total 1st 90 institutions	8,057,350	461,414	35,453	1,244,134	120,368	439,467	52,854	4,194,777	32,197	358,551	1,043,612	74,523
91	Florida State University	29,381	0	335	1,422	871	13,760	491	4,023	0	1,352	6,586	541
92	U TX MD Anderson Cncr Ctr	29,202	0	0	0	0	0	0	28,941	0	0	261	0
93	Arizona State University	29,062	0	20	2,878	886	11,302	231	4,038	0	1,821	7,715	171
94	University of New Mexico	29,015	40	0	11,626	1,917	643	0	9,764	0	1,440	3,585	0
95	Wayne State University	28,953	0	0	1,314	0	283	0	24,665	105	123	2,409	54
96	Wake Forest University	28,512	0	0	0	0	40	0	27,564	0	317	591	0
97	Washington State Univ	28,153	14,391	0	1,127	468	1,382	479	6,431	150	305	3,420	0
98	University of Kansas	28,133	0	82	1,139	5,015	382	502	16,866	48	982	3,107	10
99	Georgetown University	26,540	367	38	891	1,224	300	442	20,403	0	0	1,325	1,550
100	George Washington Univ	25,707	6	84	1,961	1,781	718	0	16,589	0	2,930	1,530	108
	Total 1st 100 institutions	8,340,008	476,218	36,012	1,266,492	132,530	468,277	54,999	4,354,061	32,500	367,821	1,074,141	76,957

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-10. -- Federal obligations for research & development to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989 1/

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
	Total, all institutions	8,516,849	336,036	66,041	1,220,606	67,044	444,499	77,503	4,512,022	52,828	435,702	1,206,568	98,000
1	Johns Hopkins University	411,879	48	91	203,192	2,329	1,801	324	179,513	0	4,435	9,314	10,832
2	Stanford University	239,847	710	48	39,635	996	15,735	3,368	110,960	119	41,225	27,051	0
3	Mass Inst of Technology	207,157	0	50	42,287	657	49,277	381	50,676	485	19,225	41,304	2,815
4	University of Washington	203,691	2,207	1,903	27,559	1,545	6,491	930	130,242	854	3,941	27,036	983
5	Univ of Cal Los Angeles	170,839	160	53	10,709	1,336	17,667	540	115,049	75	6,084	19,078	88
6	University of Michigan	167,865	1,338	3,085	11,372	424	8,021	3,249	105,926	0	11,856	20,147	2,447
7	Univ of Cal San Diego	166,601	470	2,897	29,101	0	3,229	0	87,243	291	11,946	31,424	0
8	Univ of Cal San Francisco	159,027	0	0	2,037	0	3,306	175	150,222	0	1,283	1,943	61
9	Univ of Wis-Madison	150,474	7,320	125	8,902	0	13,446	574	83,984	272	9,218	25,656	977
10	Columbia Univ Main Div	150,263	0	0	11,464	123	6,373	49	99,506	908	3,872	25,807	2,161
	Total 1st 10 institutions	2,027,643	12,253	8,252	386,258	7,410	125,346	9,590	1,113,321	3,004	113,085	228,760	20,364
11	Yale University	146,245	47	30	7,999	0	9,588	303	117,552	0	868	9,858	0
12	Harvard University	141,760	0	0	7,396	500	4,459	800	99,634	77	4,404	18,384	6,106
13	Cornell University	139,954	9,449	0	15,151	0	4,169	835	65,826	346	5,120	38,602	456
14	Univ of Pennsylvania	132,805	1,259	0	8,054	330	6,383	0	100,388	0	459	15,500	432
15	Univ of Cal Berkeley	131,070	8,872	734	12,701	6,923	4,206	400	38,361	446	24,219	32,522	1,686
16	University of Minnesota	128,727	6,764	30	5,068	0	5,202	561	88,985	671	2,585	18,793	68
17	Pennsylvania State Univ	119,435	8,170	353	51,102	0	4,417	644	25,943	5,670	8,208	13,385	1,543
18	Univ of Southern Cal	114,766	0	0	33,945	162	1,532	72	61,524	175	5,290	11,516	550
19	Duke University	108,611	276	0	6,031	0	3,514	2,081	86,376	0	691	9,642	0
20	Washington University	102,974	150	0	1,559	0	1,485	75	91,827	0	2,789	5,089	0
	Total 1st 20 institutions	3,293,990	47,240	9,399	535,264	15,325	170,301	15,361	1,889,737	10,389	167,718	402,051	31,205
21	University of Colorado	101,345	0	2,108	5,679	198	3,928	494	56,156	667	12,919	19,143	53
22	Univ of Ill Urbana	100,062	7,104	117	18,694	0	10,958	1,646	16,509	431	3,506	38,527	2,570
23	University of Rochester	98,550	0	0	6,720	0	17,079	0	67,445	0	195	7,111	0
24	Univ of NC at Chapel Hill	93,244	240	205	3,605	0	877	2,567	78,092	0	614	7,044	0
25	University of Pittsburgh	91,094	100	163	4,202	2,542	2,002	1,113	72,941	0	652	7,379	0
26	University of Chicago	90,611	284	67	2,346	0	4,315	24	60,473	0	5,558	17,544	0
27	Univ of Texas at Austin	84,619	260	0	33,073	0	16,367	350	12,585	458	6,294	13,943	1,289
28	University of Arizona	82,913	3,829	142	8,475	895	1,741	573	37,565	1,281	15,729	11,623	1,060
29	New York University	77,761	0	0	4,184	101	4,408	497	58,865	0	557	5,324	3,825
30	University of Iowa	76,059	100	126	2,637	298	431	598	56,148	0	12,410	3,311	0
	Total 1st 30 institutions	4,190,248	59,157	12,327	624,879	19,359	232,407	23,223	2,406,516	13,226	226,152	533,000	40,002
31	Ohio State University	72,702	7,805	654	4,942	0	3,410	420	30,021	402	5,324	12,304	7,420
32	Univ Alabama Birmingham	70,702	100	15	1,279	897	0	0	63,293	0	2,659	2,459	0
33	Case Western Reserve Univ	69,589	0	56	3,602	500	510	0	53,014	0	6,340	4,887	680
34	Baylor Col of Medicine	69,499	7,040	0	1,047	952	341	0	59,452	0	667	0	0
35	California Inst of Tech	69,335	0	86	14,423	0	9,353	274	12,633	948	7,286	24,332	0
36	Yeshiva University	68,553	0	0	176	1,209	0	0	66,774	0	0	394	0
37	Woods Hole Ocngrphic Inst	67,289	0	3,481	38,365	0	428	0	410	0	204	24,401	0
38	University of Massachuset	67,183	2,900	66	11,894	254	1,530	323	36,356	208	1,186	12,466	0
39	Vanderbilt University	63,978	45	0	1,390	1,542	542	0	53,971	0	2,634	3,854	0
40	Purdue University	62,751	7,738	0	7,306	146	5,017	545	18,401	384	3,127	16,275	3,812
	Total 1st 40 institutions	4,871,829	84,785	16,685	709,303	24,859	253,538	24,785	2,800,841	15,168	255,579	634,372	51,914
41	University of Utah	61,361	180	0	4,426	87	4,188	110	42,840	1,056	796	7,393	285
42	Georgia Institute of Tech	60,949	15	402	43,610	0	1,264	440	3,751	288	5,404	5,690	85
43	Univ of MD College Park	60,252	3,893	872	11,738	1,795	6,510	3,430	5,205	0	9,537	16,167	1,105
44	University of Miami	60,135	0	46	4,702	490	293	0	45,610	0	1,142	7,852	0
45	Univ of Cal Davis	60,100	3,068	111	1,803	858	5,211	280	38,980	362	1,430	6,037	1,960
46	Boston University	60,029	0	39	5,689	114	1,648	90	44,966	13	1,519	5,951	0
47	University of Florida	58,696	7,077	1,945	6,939	83	3,074	599	28,099	769	1,415	7,593	1,103
48	Carnegie-Mellon Univ	57,605	0	27	26,666	0	3,765	340	6,952	446	3,543	15,866	0
49	Northwestern University	57,494	60	91	4,207	1,432	3,710	0	34,753	47	1,104	12,005	85
50	Indiana University	55,449	32	0	725	42	2,712	312	34,528	100	471	16,527	0
	Total 1st 50 institutions	5,463,899	99,110	20,218	819,808	29,760	285,913	30,386	3,086,525	18,249	281,940	735,453	56,537

See explanatory material at end of table.

(Continued)

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Table B-10. -- Federal obligations for research & development to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989 1/

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
51	Michigan State University	54,382	10,295	85	1,620	2,007	3,524	417	15,275	200	499	18,073	2,387
52	University of Virginia	51,990	28	478	4,271	1,226	2,182	286	33,360	9	3,199	6,743	208
53	U Tex Sw Med Ctr - Dallas	48,591	0	0	190	0	0	0	46,789	0	1,080	532	0
54	Univ of Cal Irvine	47,303	296	57	4,386	0	3,729	320	29,734	0	1,249	7,532	0
55	Princeton University	47,037	0	30	9,169	0	5,311	265	12,245	360	3,500	16,157	0
56	Tulane University	46,873	0	0	26,344	0	0	90	18,115	0	102	667	1,555
57	Emory University	45,840	0	0	1,239	326	99	0	42,238	0	285	1,653	0
58	University of Georgia	45,627	7,034	1,065	632	0	15,941	1,163	11,002	443	623	6,449	1,275
59	Texas A & M University	44,928	8,735	2,043	6,478	0	4,210	143	7,617	393	3,739	11,405	165
60	New Mexico State Univ	44,210	2,534	0	18,001	0	1,136	0	757	394	19,410	1,978	0
	Total 1st 60 institutions	5,940,680	128,032	23,976	892,138	31,319	322,045	33,070	3,303,657	20,048	315,626	806,642	62,127
61	N C State Univ at Raleigh	43,466	8,667	1,340	7,384	500	1,671	2,771	4,459	391	3,647	8,895	3,741
62	Univ of Ill Chicago	43,271	65	50	4,942	623	762	318	30,986	0	258	5,267	0
63	Utah State University	43,219	2,848	0	31,950	490	1,061	831	1,966	901	824	1,972	376
64	Virginia Commonwlth Univ	42,684	0	0	1,405	1,796	187	180	37,789	0	477	850	0
65	Oregon State University	42,562	8,229	2,482	6,225	0	1,271	1,392	7,291	1,325	1,988	11,487	872
66	SUNY at Stony Brook	41,251	0	0	356	0	3,429	0	23,880	54	1,182	12,350	0
67	University of Cincinnati	40,996	203	260	2,639	0	516	870	32,427	0	1,879	2,202	0
68	Mt Sinai Sch of Medicine	40,873	0	0	0	291	256	144	39,572	0	312	298	0
69	University of Connecticut	39,761	1,537	3,346	3,079	0	477	586	26,342	150	172	4,072	0
70	Louisiana State Univ	39,088	4,252	383	2,385	0	2,837	948	21,959	484	685	5,155	0
	Total 1st 70 institutions	6,357,851	153,833	31,837	952,503	37,019	334,512	41,110	3,530,328	23,353	327,050	859,190	67,116
71	Tufts University	38,566	11,345	0	382	0	1,039	3,642	19,976	0	5	1,721	456
72	Univ of Cal Santa Barbara	37,444	180	122	13,247	271	3,166	406	4,082	385	1,126	13,405	1,054
73	Univ of Hawaii-Manoa	36,693	3,483	0	2,666	0	1,659	0	9,136	0	5,529	12,156	2,064
74	Rutgers the St Univ of NJ	36,241	3,965	72	2,838	1,337	637	283	14,961	156	169	11,427	396
75	Colorado State University	36,120	6,232	0	4,684	121	1,149	325	13,604	533	1,299	7,913	260
76	Rockefeller University	35,586	0	0	0	0	1,245	357	33,003	0	0	981	0
77	Univ of MD Balt Prof Sch	34,648	0	0	2,520	0	0	10	31,461	0	0	657	0
78	VA Polytech Inst & St U	34,585	5,397	50	6,363	0	7,269	1,139	2,540	2,369	3,880	5,054	524
79	SUNY at Buffalo All Cmps	33,934	0	0	1,909	0	543	0	25,888	0	1,237	4,357	0
80	Brown University	33,000	0	98	7,272	0	2,640	0	13,383	216	1,319	8,072	0
	Total 1st 80 institutions	6,714,660	184,435	32,179	994,384	38,748	353,859	47,272	3,698,362	27,012	341,614	924,933	71,870
81	Univ of Med & Dent of N J	32,369	215	0	914	0	185	359	29,976	0	163	557	0
82	U Tex Hlth Sci Ctr S Anto	31,534	0	0	102	0	0	0	30,711	0	44	677	0
83	Univ of VT & St Agric Col	29,351	3,061	0	173	1,194	314	238	22,753	150	0	1,468	0
84	U Tex Hlth Sci Ctr Houstn	28,591	0	0	0	0	73	186	27,687	0	563	82	0
85	Florida State University	28,021	0	335	1,422	0	13,745	491	3,881	0	1,238	6,368	541
86	U TX MD Anderson Cncr Ctr	27,772	0	0	0	0	0	0	27,514	0	0	258	0
87	University of Kentucky	27,349	6,336	30	900	95	1,935	210	14,481	470	178	2,664	50
88	Wake Forest University	27,314	0	0	0	0	40	0	26,434	0	299	541	0
89	Wayne State University	26,945	0	0	1,314	0	283	0	22,661	105	123	2,405	54
90	Iowa St U of Sci & Tech	25,987	11,410	2,628	993	0	777	259	4,337	540	606	3,828	609
	Total 1st 90 institutions	6,999,901	205,457	35,172	1,000,202	40,037	371,211	49,015	3,908,797	28,277	344,828	943,781	73,124
91	University of New Mexico	24,835	40	0	10,516	605	643	0	8,518	0	1,270	3,243	0
92	Georgetown University	24,728	367	38	891	666	300	416	19,193	0	0	1,307	1,550
93	Dartmouth College	24,065	306	0	1,753	0	557	162	18,542	10	349	2,386	0
94	University of Kansas	23,380	0	49	1,139	2,457	382	61	15,564	48	877	2,793	10
95	Oregon Hlth Sciences Univ	23,231	0	0	336	0	0	0	22,648	0	70	177	0
96	U Tex Med Brnch Galveston	23,096	0	0	669	0	0	185	21,757	0	396	89	0
97	Univ of Missouri Columbia	23,042	5,787	0	483	0	802	212	11,409	299	223	1,909	1,918
98	Temple University	22,929	230	0	675	259	610	23	19,821	0	45	1,266	0
99	George Washington Univ	22,730	6	84	1,961	50	718	0	16,395	0	2,362	1,046	108
100	University of Dayton	21,576	0	0	21,042	0	0	200	0	0	58	213	63
	Total 1st 100 institutions	7,233,513	212,193	35,343	1,039,667	44,074	375,223	50,274	4,062,644	28,634	350,478	958,210	76,773

1/ Does not include R&D obligations to university-administered FFRDCs.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-11. -- Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	340,985	4,647	1,240	89	23,391	939	8,314	256,209	0	13,009	32,976	191
1	Harvard University	15,010	0	0	9	601	133	48	12,024	0	71	2,124	0
2	Stanford University	13,715	144	0	0	1,040	0	0	7,773	0	582	4,176	0
3	Johns Hopkins University	11,372	0	15	0	63	0	0	10,808	0	54	432	0
4	Univ of Cal Berkeley	11,222	0	15	0	2,368	14	12	4,727	0	270	3,816	0
5	Yale University	10,668	0	0	3	325	0	24	9,488	0	72	756	0
6	University of Michigan	10,607	0	0	6	1,286	0	438	7,589	0	172	1,116	0
7	University of Washington	10,351	0	0	0	702	14	134	8,745	0	108	648	0
8	Univ of Pennsylvania	9,809	0	0	0	678	0	12	8,561	0	0	558	0
9	Univ of Cal San Francisco	9,236	0	0	0	0	0	0	8,642	0	0	594	0
10	Washington University	8,964	0	0	0	571	0	0	8,084	0	93	216	0
Total 1st	10 institutions	110,954	144	30	18	7,634	161	668	86,441	0	1,422	14,436	0
11	University of Chicago	8,589	0	0	0	715	0	0	6,790	0	202	882	0
12	Mass Inst of Technology	8,307	0	0	14	21	12	0	4,582	0	168	3,510	0
13	Columbia Univ Main Div	8,090	0	0	0	721	0	4	7,023	0	72	270	0
14	Univ of Cal Los Angeles	7,662	0	0	0	436	0	0	6,812	0	72	342	0
15	Univ of Cal San Diego	6,876	0	0	3	35	0	0	6,303	0	121	414	0
16	Univ of Wis-Madison	6,277	0	0	0	50	0	36	5,291	0	54	846	0
17	Duke University	6,271	0	0	0	0	0	28	5,901	0	72	270	0
18	Cornell University	6,200	96	0	2	646	0	0	3,699	0	209	1,548	0
19	Univ of NC at Chapel Hill	5,226	0	0	0	0	0	12	4,930	0	14	270	0
20	University of Minnesota	5,066	0	0	0	134	0	598	3,920	0	90	324	0
Total 1st	20 institutions	179,518	240	30	37	10,392	173	1,346	141,692	0	2,496	23,112	0
21	University of Colorado	4,729	0	0	0	472	0	14	3,712	0	279	252	0
22	Vanderbilt University	4,457	0	0	0	18	0	0	4,295	0	36	108	0
23	Yeshiva University	4,358	0	0	0	0	0	0	4,358	0	0	0	0
24	Case Western Reserve Univ	4,205	0	0	0	0	0	0	3,675	0	404	126	0
25	University of Rochester	3,964	0	0	0	218	0	0	3,620	0	0	126	0
26	University of Iowa	3,818	0	0	0	122	0	0	3,606	0	18	72	0
27	University of Virginia	3,806	0	0	0	122	0	12	3,378	0	114	180	0
28	Princeton University	3,694	0	0	6	813	0	0	1,654	0	87	1,134	0
29	California Inst of Tech	3,602	0	0	2	0	0	0	2,280	0	420	900	0
30	Boston University	3,434	0	0	0	446	0	56	2,842	0	36	54	0
Total 1st	30 institutions	219,585	240	30	45	12,603	173	1,428	175,112	0	3,890	26,064	0
31	New York University	3,350	0	0	0	75	0	0	3,149	0	18	108	0
32	University of Pittsburgh	2,900	0	0	0	336	0	0	2,456	0	0	108	0
33	U Tex Sw Med Ctr - Dallas	2,573	0	0	0	0	0	0	2,573	0	0	0	0
34	Univ of Southern Cal	2,500	0	0	0	497	0	0	1,931	0	0	72	0
35	Northwestern University	2,497	0	0	0	196	0	0	1,954	0	18	324	5
36	Indiana University	2,404	0	0	0	535	0	0	1,666	0	54	144	5
37	Univ Alabama Birmingham	2,345	0	0	0	23	0	0	2,322	0	0	0	0
38	University of Arizona	2,285	0	0	0	413	0	26	1,442	0	278	126	0
39	Univ of Ill Urbana	2,173	222	0	0	0	0	0	1,327	0	120	504	0
40	University of Florida	2,006	144	0	0	85	0	226	1,371	0	18	162	0
Total 1st	40 institutions	244,618	606	30	45	14,763	173	1,680	195,303	0	4,396	27,612	10
41	Rutgers the St Univ of NJ	1,952	144	0	0	282	0	820	616	0	18	72	0
42	Univ of Cal Davis	1,945	240	0	0	16	0	24	1,377	0	36	252	0
43	University of Utah	1,792	0	0	3	186	0	24	1,417	0	0	162	0
44	Purdue University	1,719	288	0	0	181	0	30	851	0	99	270	0
45	Colorado State University	1,703	144	0	0	26	0	580	750	0	131	72	0
46	University of Cincinnati	1,701	0	0	0	0	0	388	1,223	0	90	0	0
47	Baylor Col of Medicine	1,682	0	0	0	0	0	0	1,664	0	0	18	0
48	University of Miami	1,627	0	0	0	0	0	0	1,609	0	18	0	0
49	Michigan State University	1,614	288	0	0	172	0	44	966	0	36	108	0
50	Virginia Commonwlth Univ	1,571	0	0	0	0	0	0	1,571	0	0	0	0
Total 1st	50 institutions	261,924	1,710	30	48	15,626	173	3,590	207,347	0	4,824	28,566	10

See explanatory material at end of table.

(Continued)

Table B-11. -- Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	University of Kansas	1,542	0	0	0	168	0	441	810	0	105	18	0
52	Univ of Texas at Austin	1,520	0	0	0	147	0	12	680	0	339	342	0
53	Pennsylvania State Univ	1,484	48	0	8	52	0	12	986	0	198	180	0
54	Univ of Cal Irvine	1,443	0	0	0	100	0	0	1,271	0	0	72	0
55	University of Connecticut	1,337	0	0	0	37	0	0	1,282	0	0	18	0
56	Texas A & M University	1,302	144	0	0	225	14	110	153	0	415	216	25
57	Univ of MD College Park	1,249	96	0	3	210	0	12	420	0	418	90	0
58	Univ of Alaska Fairbanks	1,194	0	1,158	0	0	0	0	0	0	18	18	0
59	Rockefeller University	1,170	0	0	0	0	0	0	1,152	0	0	18	0
60	University of Massachuset	1,159	0	0	0	0	0	0	934	0	117	108	0
	Total 1st 60 institutions	275,324	1,998	1,188	59	16,565	187	4,177	215,035	0	6,434	29,646	35
61	Ohio State University	1,153	144	0	3	0	0	18	565	0	71	252	0
62	Brown University	1,125	0	0	0	0	0	0	945	0	72	108	0
63	SUNY at Stony Brook	1,099	0	0	0	161	0	0	872	0	12	54	0
64	Mt Sinai Sch of Medicine	1,039	0	0	0	0	0	0	1,021	0	0	18	0
65	Carnegie-Mellon Univ	1,028	0	0	0	80	0	0	408	0	54	486	0
66	Brandeis University	1,015	0	0	0	21	0	0	945	0	31	18	0
67	Thomas Jefferson Univ	1,002	0	0	0	0	0	0	1,002	0	0	0	0
68	N C State Univ at Raleigh	992	240	0	0	321	0	80	243	0	0	108	0
69	Wayne State University	951	0	0	0	0	0	0	951	0	0	0	0
70	Tufts University	924	0	0	0	100	0	8	762	0	0	54	0
	Total 1st 70 institutions	285,652	2,382	1,188	62	17,248	187	4,283	222,849	0	6,674	30,744	35
71	U Tex Hlth Sci Ctr S Anto	875	0	0	0	0	0	0	875	0	0	0	0
72	Univ of Ill Chicago	849	0	0	0	105	0	76	650	0	0	18	0
73	U Tex Hlth Sci Ctr Houstn	841	0	0	0	0	0	0	823	0	0	18	0
74	SUNY at Buffalo All Cmps	832	0	0	0	48	14	0	716	0	36	18	0
75	Univ of Missouri Columbia	831	0	0	0	0	0	12	765	0	0	54	0
76	Xavier University of LA	822	0	0	0	0	0	127	216	0	479	0	0
77	Oregon State University	811	96	0	0	100	0	24	425	0	90	54	22
78	Temple University	807	0	0	0	0	0	0	789	0	0	18	0
79	University of Oregon Main	791	0	0	0	0	0	0	737	0	0	54	0
80	Oregon Hlth Sciences Univ	782	0	0	0	0	0	0	782	0	0	0	0
	Total 1st 80 institutions	293,893	2,478	1,188	62	17,501	201	4,522	229,627	0	7,279	30,978	57
81	Univ of VT & St Agric Col	745	0	0	0	0	0	0	745	0	0	0	0
82	Wake Forest University	740	0	0	0	0	0	0	704	0	18	18	0
83	University of New Mexico	740	0	0	0	39	0	0	459	0	170	72	0
84	U TX MD Anderson Cncr Ctr	739	0	0	0	0	0	0	739	0	0	0	0
85	Florida A & M University	731	102	0	0	0	0	0	270	0	359	0	0
86	Georgia Institute of Tech	717	0	0	0	255	0	8	94	0	107	234	19
87	Howard University	712	0	0	0	32	0	232	355	0	75	18	0
88	University of Georgia	623	0	0	0	0	0	48	467	0	0	108	0
89	Dartmouth College	603	0	0	0	45	0	0	504	0	18	36	0
90	Louisiana State Univ	596	0	0	0	0	0	0	560	0	0	36	0
	Total 1st 90 institutions	300,839	2,580	1,188	62	17,872	201	4,810	234,524	0	8,026	31,500	76
91	University of Oklahoma	594	0	0	0	281	0	4	255	0	18	36	0
92	Old Dominion University	568	0	0	0	0	0	0	28	0	540	0	0
93	Emory University	531	0	0	0	0	0	0	513	0	0	18	0
94	U Tenn - Memphis	530	0	0	0	0	0	0	530	0	0	0	0
95	Univ of P R-Rio Piedras	529	0	0	0	132	0	0	365	0	32	0	0
96	The Medical Col of Penna	525	0	0	0	0	0	0	525	0	0	0	0
97	Albany Medical College	520	0	0	0	0	0	0	520	0	0	0	0
98	University of Notre Dame	513	0	0	0	118	0	0	323	0	18	54	0
99	Univ of Med & Dent of N J	499	0	0	0	0	0	0	481	0	18	0	0
100	Wright State University	496	0	0	0	0	0	0	0	0	496	0	0
	Total 1st 100 institutions	306,144	2,580	1,188	62	18,403	201	4,814	238,064	0	9,148	31,608	76

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-12. -- Federal obligations for general support for science/engineering to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	200,605	0	0	1,779	83,055	0	0	109,491	3,332	0	2,948	0
1	University of Washington	3,442	0	0	0	1,976	0	0	1,466	0	0	0	0
2	University of Minnesota	2,536	0	0	0	383	0	0	2,151	0	0	2	0
3	Yale University	2,533	0	0	0	239	0	0	2,294	0	0	0	0
4	Johns Hopkins University	2,498	0	0	0	806	0	0	1,692	0	0	0	0
5	Washington University	2,419	0	0	0	0	0	0	2,419	0	0	0	0
6	Harvard University	2,406	0	0	0	508	0	0	1,898	0	0	0	0
7	Univ of Pennsylvania	2,218	0	0	0	608	0	0	1,610	0	0	0	0
8	University of Arizona	1,999	0	0	0	1,003	0	0	991	0	0	5	0
9	Univ of Wis-Madison	1,977	0	0	0	0	0	0	1,974	0	0	3	0
10	University of Michigan	1,922	0	0	0	817	0	0	885	0	0	220	0
Total 1st	10 institutions	23,950	0	0	0	6,340	0	0	17,380	0	0	230	0
11	Columbia Univ Main Div	1,845	0	0	0	674	0	0	1,106	0	0	65	0
12	Meharry Medical College	1,837	0	0	0	0	0	0	1,837	0	0	0	0
13	Univ of Cal San Diego	1,789	0	0	0	0	0	0	1,789	0	0	0	0
14	University of Colorado	1,766	0	0	0	1,020	0	0	713	0	0	33	0
15	Indiana University	1,761	0	0	0	1,322	0	0	439	0	0	0	0
16	Univ of Cal Los Angeles	1,730	0	0	0	633	0	0	954	0	0	143	0
17	University of Iowa	1,717	0	0	57	643	0	0	1,017	0	0	0	0
18	Univ of P R-Rio Piedras	1,650	0	0	0	195	0	0	1,455	0	0	0	0
19	Purdue University	1,599	0	0	0	610	0	0	590	75	0	324	0
20	University of New Mexico	1,599	0	0	169	608	0	0	787	0	0	35	0
Total 1st	20 institutions	41,243	0	0	226	12,045	0	0	28,067	75	0	830	0
21	University of Pittsburgh	1,560	0	0	0	910	0	0	650	0	0	0	0
22	Vanderbilt University	1,548	0	0	0	759	0	0	789	0	0	0	0
23	Howard University	1,525	0	0	0	139	0	0	1,386	0	0	0	0
24	Univ of Cal Santa Barbara	1,519	0	0	0	414	0	0	93	1,012	0	0	0
25	University of Florida	1,488	0	0	0	896	0	0	576	0	0	16	0
26	Cornell University	1,483	0	0	0	576	0	0	907	0	0	0	0
27	Louisiana State Univ	1,478	0	0	0	492	0	0	986	0	0	0	0
28	Univ of Cal San Francisco	1,464	0	0	0	8	0	0	1,456	0	0	0	0
29	University of Kansas	1,444	0	0	0	952	0	0	492	0	0	0	0
30	Univ of VT & St Agric Col	1,436	0	0	0	910	0	0	302	0	0	224	0
Total 1st	30 institutions	56,188	0	0	226	18,101	0	0	35,704	1,087	0	1,070	0
31	Yeshiva University	1,374	0	0	0	0	0	0	1,374	0	0	0	0
32	George Washington Univ	1,341	0	0	0	931	0	0	194	0	0	216	0
33	University of Utah	1,334	0	0	0	862	0	0	472	0	0	0	0
34	Univ of Cal Irvine	1,304	0	0	0	431	0	0	780	0	0	93	0
35	Univ Hawaii at Hilo	1,247	0	0	0	790	0	0	457	0	0	0	0
36	Univ of Southern Cal	1,242	0	0	0	344	0	0	898	0	0	0	0
37	Northwestern University	1,214	0	0	0	329	0	0	881	0	0	24	0
38	Michigan State University	1,224	0	0	0	634	0	0	590	0	0	0	0
39	University of Virginia	1,217	0	0	0	511	0	0	597	0	0	109	0
40	Univ of Cal Berkeley	1,205	0	0	0	840	0	0	365	0	0	0	0
Total 1st	40 institutions	68,910	0	0	226	23,773	0	0	42,312	1,087	0	1,512	0
41	Univ of Ill Chicago	1,186	0	0	0	556	0	0	630	0	0	0	0
42	Utah State University	1,184	0	0	0	1,144	0	0	40	0	0	0	0
43	Pennsylvania State Univ	1,123	0	0	0	461	0	0	662	0	0	0	0
44	University of Connecticut	1,112	0	0	0	668	0	0	444	0	0	0	0
45	CUNY City College	1,106	0	0	0	0	0	0	1,106	0	0	0	0
46	Univ of P R-Med Sci Cmpus	1,096	0	0	0	0	0	0	1,096	0	0	0	0
47	Morehouse School of Med	1,081	0	0	0	0	0	0	1,081	0	0	0	0
48	University of Massachuset	1,055	0	0	0	277	0	0	694	0	0	84	0
49	Wayne State University	1,053	0	0	0	0	0	0	1,053	0	0	0	0
50	Univ of Texas at Austin	1,027	0	0	0	791	0	0	220	0	0	16	0
Total 1st	50 institutions	79,933	0	0	226	27,670	0	0	49,338	1,087	0	1,612	0

See explanatory material at end of table.

(Continued)

Table B-12. -- Federal obligations for general support for science/engineering to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	University of Miami	1,024	0	0	0	582	0	0	442	0	0	0	0
52	Virginia Commonwlth Univ	1,023	0	0	0	583	0	0	440	0	0	0	0
53	Boston University	1,018	0	0	0	437	0	0	581	0	0	0	0
54	Northern Illinois Univ	997	0	0	0	973	0	0	23	0	0	1	0
55	Univ of North Texas	956	0	0	511	426	0	0	19	0	0	0	0
56	Jackson State University	937	0	0	0	156	0	0	731	50	0	0	0
57	Florida A & M University	920	0	0	0	24	0	0	896	0	0	0	0
58	Univ of Ill Urbana	915	0	0	0	0	0	0	815	0	0	100	0
59	Univ of Texas at El Paso	913	0	0	0	261	0	0	652	0	0	0	0
60	Tuskegee University	906	0	0	0	0	0	0	906	0	0	0	0
	Total 1st 60 institutions	89,542	0	0	737	31,112	0	0	54,843	1,137	0	1,713	0
61	University of Georgia	892	0	0	0	309	0	0	566	0	0	17	0
62	University of Rochester	884	0	0	0	80	0	0	804	0	0	0	0
63	University of Chicago	836	0	0	0	318	0	0	504	0	0	14	0
64	Univ of Cal Davis	831	0	0	0	0	0	0	831	0	0	0	0
65	Atlanta University	817	0	0	0	20	0	0	797	0	0	0	0
66	Univ Alabama Birmingham	812	0	0	0	70	0	0	742	0	0	0	0
67	U TX - Pan American Univ	794	0	0	0	422	0	0	372	0	0	0	0
68	Stanford University	789	0	0	0	269	0	0	520	0	0	0	0
69	Univ of NC at Chapel Hill	788	0	0	0	0	0	0	759	0	0	29	0
70	Bethune Cookman College	783	0	0	0	240	0	0	543	0	0	0	0
	Total 1st 70 institutions	97,768	0	0	737	32,840	0	0	61,281	1,137	0	1,773	0
71	Texas Tech University	780	0	0	0	695	0	0	85	0	0	0	0
72	Univ of MD College Park	771	0	0	0	605	0	0	95	0	0	71	0
73	Emory University	771	0	0	0	86	0	0	679	0	0	6	0
74	Calif St Univ Los Angeles	769	0	0	0	0	0	0	769	0	0	0	0
75	Tennessee State Univ	769	0	0	106	0	0	0	663	0	0	0	0
76	Eastern Oregon St College	763	0	0	0	763	0	0	0	0	0	0	0
77	Florida State University	762	0	0	0	690	0	0	72	0	0	0	0
78	SUNY at Buffalo All Cmps	749	0	0	0	144	0	0	605	0	0	0	0
79	Chicago State University	734	0	0	0	29	0	0	705	0	0	0	0
80	Columbia U Teachers Col	731	0	0	0	731	0	0	0	0	0	0	0
	Total 1st 80 institutions	105,367	0	0	843	36,583	0	0	64,954	1,137	0	1,850	0
81	Temple University	724	0	0	0	498	0	0	226	0	0	0	0
82	Tufts University	720	0	0	0	346	0	0	374	0	0	0	0
83	Mass Inst of Technology	715	0	0	0	0	0	0	599	0	0	116	0
84	U of Texas at San Antonio	705	0	0	0	0	0	0	705	0	0	0	0
85	New York University	702	0	0	0	323	0	0	379	0	0	0	0
86	Duke University	693	0	0	0	142	0	0	551	0	0	0	0
87	U of Arkansas Med Sci Cam	686	0	0	0	405	0	0	267	0	0	14	0
88	New Mexico State Univ	683	0	0	0	131	0	0	552	0	0	0	0
89	West Virginia University	680	0	0	0	563	0	0	75	0	0	42	0
90	Georgetown University	678	0	0	0	266	0	0	412	0	0	0	0
	Total 1st 90 institutions	112,353	0	0	843	39,257	0	0	69,094	1,137	0	2,022	0
91	University of Oregon Main	665	0	0	0	0	0	0	665	0	0	0	0
92	U Tex Hlth Sci Ctr S Anto	662	0	0	0	0	0	0	662	0	0	0	0
93	Univ of Nebraska-Lincoln	656	0	0	0	606	0	0	50	0	0	0	0
94	Xavier University of LA	651	0	0	0	0	0	0	651	0	0	0	0
95	Rutgers the St Univ of NJ	636	0	0	0	81	0	0	555	0	0	0	0
96	Case Western Reserve Univ	636	0	0	0	67	0	0	569	0	0	0	0
97	Southwest Texas St Univ	623	0	0	0	623	0	0	0	0	0	0	0
98	Colorado State University	622	0	0	0	332	0	0	215	75	0	0	0
99	Univ of Northern Colorado	606	0	0	0	606	0	0	0	0	0	0	0
100	Oklahoma State University	602	0	0	0	485	0	0	17	0	0	100	0
	Total 1st 100 institutions	118,712	0	0	843	42,057	0	0	72,478	1,212	0	2,122	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-13. -- Federal obligations to universities and colleges for research and development by detailed field and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all fields	8,516,849	336,036	66,041	1,220,606	67,044	444,499	77,503	4,512,022	52,828	435,702	1,206,568	98,000
Engineering, total	1,152,862	14,081	5,822	705,534	0	53,504	4,815	37,255	18,431	114,866	185,663	12,891
Aeronautical	66,096	0	0	23,812	0	0	0	0	0	41,017	704	563
Astronautical	42,276	0	46	32,172	0	0	0	0	0	9,924	134	0
Chemical	44,349	0	1,333	3,854	0	2,110	0	0	150	1,865	32,898	2,139
Civil	43,026	0	130	10,210	0	0	3,032	0	107	91	23,017	6,439
Electrical	240,638	0	113	187,908	0	0	0	0	25	9,223	43,369	0
Mechanical	71,137	0	114	16,814	0	9,089	0	0	0	9,923	34,418	779
Metallurgy & materials	146,253	0	1,051	64,648	0	20,759	0	0	17,903	15,283	26,441	168
Engineering, n.e.c.	499,087	14,081	3,035	366,116	0	21,546	1,783	37,255	246	27,540	24,682	2,803
All sciences, total	7,363,987	321,955	60,219	515,072	67,044	390,995	72,688	4,474,767	34,397	320,836	1,020,905	85,109
Physical sciences, total	979,037	12,046	3,947	113,690	0	250,691	2,116	89,465	112	156,349	350,295	326
Astronomy	103,271	0	244	4,179	0	0	34	0	0	70,839	27,975	0
Chemistry	299,417	12,046	1,636	32,735	0	41,790	991	85,669	112	5,365	119,073	0
Physics	505,723	0	2,067	71,755	0	208,901	157	3,597	0	65,788	153,132	326
Physical sciences, n.e.c.	70,626	0	0	5,021	0	0	934	199	0	14,357	50,115	0
Mathematical/computer sciences, total	258,035	2,185	1,742	55,284	0	18,605	886	7,215	149	27,912	139,414	4,643
Mathematical sciences	134,838	2,185	20	28,982	0	13,727	306	7,215	0	998	81,405	0
Computer sciences	119,655	0	1,489	25,702	0	4,878	580	0	149	24,723	58,009	4,125
Math/computer sci, n.e.c.	3,542	0	233	600	0	0	0	0	0	2,191	0	518
Environmental sciences, total	554,917	2,211	49,801	86,599	0	38,529	39,222	0	21,466	91,540	223,196	2,353
Atmospheric sciences	131,959	1,567	8,717	20,170	0	4,244	757	0	289	46,316	49,834	65
Geological sciences	152,449	644	282	11,304	0	18,893	2,810	0	20,162	19,094	77,105	2,155
Oceanography	163,035	0	40,505	54,825	0	3,889	310	0	0	5,489	58,017	0
Environmental sciences, n.e.c	107,474	0	297	300	0	11,503	35,345	0	1,015	20,641	38,240	133
Life sciences, total	4,731,546	272,092	3,393	111,686	28,272	52,194	20,894	3,955,696	11,933	27,387	193,121	54,878
Biological (excl. env bio)	2,555,864	70,108	343	45,839	0	39,185	15,761	2,206,927	1,745	15,308	149,833	10,815
Environmental biology	108,584	47,099	670	9,311	0	299	1,790	486	1,034	1,889	40,014	5,992
Agricultural	180,908	141,915	2,122	500	0	0	98	247	9,152	413	0	26,461
Medical	1,832,451	12,970	10	55,350	0	11,465	1,034	1,733,981	2	5,686	343	11,610
Life sciences, n.e.c.	53,739	0	248	686	28,272	1,245	2,211	14,055	0	4,091	2,931	0
Psychology, total	209,344	0	57	14,997	0	0	0	179,133	17	3,177	11,764	199
Biological aspects	66,959	0	0	4,857	0	0	0	54,410	0	84	7,608	0
Social aspects	59,502	0	57	10,050	0	0	0	45,066	17	846	3,267	199
Psychology, n.e.c.	82,883	0	0	90	0	0	0	79,657	0	2,247	889	0
Social sciences, total	215,404	33,421	1,144	2,818	23,310	25	1,577	105,637	519	65	29,989	16,899
Anthropology	7,054	0	0	0	0	0	0	745	0	0	6,309	0
Economics	51,806	26,207	532	78	0	25	819	6,929	121	0	9,634	7,461
History	1,665	0	76	0	0	0	0	43	0	27	1,519	0
Linguistics	3,402	0	0	0	0	0	0	753	0	0	2,649	0
Political science	6,988	0	465	200	813	0	607	1,669	0	25	3,209	0
Sociology	75,404	7,214	0	1,740	0	0	5	56,665	244	0	3,040	6,496
Social sciences, n.e.c.	69,085	0	71	800	22,497	0	146	38,833	154	13	3,629	2,942
Other sciences, n.e.c.	415,704	0	135	129,998	15,462	30,951	7,993	137,621	201	14,406	73,126	5,811

n.e.c. = Not elsewhere classified.

1/ Includes DOT, AID, HUD, Labor, and NRC.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-14. -- HHS Obligations to universities and colleges for research and development by detailed field and HHS component: fiscal year 1989

[Dollars in thousands]

Field of science/engineering	Total	NIH	HRSA	ADAMHA	CDC	FDA	OHDS	HCFA	SSA	OASH	Other DHHS
Total, all fields	4,512,022	4,002,889	8,155	415,110	22,281	8,445	15,984	14,343	3,653	17,697	3,465
Engineering, total	37,255	37,255	0	0	0	0	0	0	0	0	0
Aeronautical	0	0	0	0	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0	0	0	0	0
Engineering, n.e.c.	37,255	37,255	0	0	0	0	0	0	0	0	0
All sciences, total	4,474,767	3,965,634	8,155	415,110	22,281	8,445	15,984	14,343	3,653	17,697	3,465
Physical sciences, total	89,465	84,387	0	5,078	0	0	0	0	0	0	0
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	85,669	80,591	0	5,078	0	0	0	0	0	0	0
Physics	3,597	3,597	0	0	0	0	0	0	0	0	0
Physical sciences, n.e.c.	199	199	0	0	0	0	0	0	0	0	0
Mathematical/computer sciences, total	7,215	6,814	0	401	0	0	0	0	0	0	0
Mathematical sciences	7,215	6,814	0	401	0	0	0	0	0	0	0
Computer sciences	0	0	0	0	0	0	0	0	0	0	0
Math/computer sci, n.e.c.	0	0	0	0	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0	0	0	0	0
Life sciences, total	3,955,696	3,670,052	8,155	245,658	22,281	8,445	0	0	0	1,105	0
Biological (excl. env bio)	2,206,927	2,072,157	0	129,448	0	5,322	0	0	0	0	0
Environmental biology	486	388	0	98	0	0	0	0	0	0	0
Agricultural	247	0	0	247	0	0	0	0	0	0	0
Medical	1,733,981	1,597,507	8,155	101,810	22,281	3,123	0	0	0	1,105	0
Life sciences, n.e.c.	14,055	0	0	14,055	0	0	0	0	0	0	0
Psychology, total	179,133	78,089	0	101,044	0	0	0	0	0	0	0
Biological aspects	54,410	0	0	54,410	0	0	0	0	0	0	0
Social aspects	45,066	0	0	45,066	0	0	0	0	0	0	0
Psychology, n.e.c.	79,657	78,089	0	1,568	0	0	0	0	0	0	0
Social sciences, total	105,637	17,922	0	52,074	0	0	15,984	0	3,653	16,004	0
Anthropology	745	0	0	745	0	0	0	0	0	0	0
Economics	6,929	0	0	1,867	0	0	0	0	0	5,062	0
History	43	0	0	43	0	0	0	0	0	0	0
Linguistics	753	0	0	753	0	0	0	0	0	0	0
Political science	1,669	0	0	1,669	0	0	0	0	0	0	0
Sociology	56,665	0	0	45,723	0	0	0	0	0	10,942	0
Social sciences, n.e.c.	38,833	17,922	0	1,274	0	0	15,984	0	3,653	0	0
Other sciences, n.e.c.	137,621	108,370	0	10,855	0	0	0	14,343	0	588	3,465

n.e.c. = Not elsewhere classified.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-15. -- DOD obligations to universities and colleges for research and development by detailed field and DOD component: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	Total	Army	Navy	Air Force	Other
Total, all fields	1,220,606	194,929	676,526	248,564	100,587
Engineering, total	705,534	111,510	415,680	134,474	43,870
Aeronautical	23,812	1,880	6,339	15,593	0
Astronautical	32,172	23,210	2,761	6,201	0
Chemical	3,854	455	590	2,809	0
Civil	10,210	2,001	4,891	3,268	50
Electrical	187,908	16,940	123,498	46,728	742
Mechanical	16,814	5,905	4,509	6,300	100
Metallurgy & materials	64,648	13,776	14,528	12,809	23,535
Engineering, n.e.c.	366,116	47,343	258,564	40,766	19,443
All sciences, total	515,072	83,419	260,846	114,090	56,717
Physical sciences, total	113,690	16,019	54,270	43,371	30
Astronomy	4,179	0	1,917	2,262	0
Chemistry	32,735	4,666	14,953	13,116	0
Physics	71,755	9,705	35,509	26,511	30
Physical sciences, n.e.c.	5,021	1,648	1,891	1,482	0
Mathematical/computer sciences, total	55,284	10,136	23,646	21,502	0
Mathematical sciences	28,982	5,379	8,387	15,216	0
Computer sciences	25,702	4,757	14,659	6,286	0
Math/computer sci, n.e.c.	600	0	600	0	0
Environmental sciences, total	86,599	3,386	64,136	19,077	0
Atmospheric sciences	20,170	1,449	2,090	16,631	0
Geological sciences	11,304	1,905	6,953	2,446	0
Oceanography	54,825	32	54,793	0	0
Environmental sciences, n.e.c.	300	0	300	0	0
Life sciences, total	111,686	42,268	22,168	14,230	33,020
Biological (excl. env bio)	45,839	1,722	10,373	7,724	26,020
Environmental biology	9,311	315	1,021	975	7,000
Agricultural	500	450	50	0	0
Medical	55,350	39,495	10,324	5,531	0
Life sciences, n.e.c.	686	286	400	0	0
Psychology, total	14,997	1,920	6,141	6,936	0
Biological aspects	4,857	0	1,314	3,543	0
Social aspects	10,050	1,830	4,827	3,393	0
Psychology, n.e.c.	90	90	0	0	0
Social sciences, total	2,818	0	2,562	200	56
Anthropology	0	0	0	0	0
Economics	78	0	22	0	56
History	0	0	0	0	0
Linguistics	0	0	0	0	0
Political science	200	0	200	0	0
Sociology	1,740	0	1,740	0	0
Social sciences, n.e.c.	800	0	600	200	0
Other sciences, n.e.c.	129,998	9,690	87,923	8,774	23,611

n.e.c. = Not elsewhere classified.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-16. -- Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts by area of science/engineering: fiscal year 1989 1/

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	Engineering	Physical sciences	Math & computer sciences	Environmental sciences	Life sciences	Psychology	Social sciences	Other sciences, n.e.c.
	Total, all institutions	8,516,849	1,152,862	979,037	258,035	554,917	4,731,546	209,344	215,404	415,704
1	Johns Hopkins University	411,879	202,524	8,194	1,270	3,601	177,427	6,939	8,173	3,751
2	Stanford University	239,847	34,591	59,657	11,657	10,966	101,569	7,222	5,026	9,159
3	Mass Inst of Technology	207,157	51,604	73,619	10,526	14,089	49,629	3,435	611	3,644
4	University of Washington	203,691	17,109	13,366	4,298	18,640	122,082	8,721	4,456	15,019
5	Univ of Cal Los Angeles	170,839	8,668	24,046	3,554	6,941	107,809	7,141	7,501	5,179
6	University of Michigan	167,865	20,414	14,336	3,082	14,318	95,494	4,139	8,451	7,631
7	Univ of Cal San Diego	166,601	9,546	16,473	2,709	28,884	87,208	3,077	1,017	17,687
8	Univ of Cal San Francisco	159,027	610	1,689	82	0	147,638	3,376	1,828	3,804
9	Univ of Wis-Madison	150,474	11,946	25,766	5,391	7,111	86,744	4,697	2,662	6,157
10	Columbia Univ Main Div	150,263	9,698	15,727	3,232	18,453	92,744	3,784	4,219	2,406
	Total 1st 10 institutions	2,027,643	366,710	252,873	45,801	123,003	1,068,344	52,531	43,944	74,437
11	Yale University	146,245	2,644	13,990	5,771	1,869	110,240	4,369	2,334	5,028
12	Harvard University	141,760	3,362	17,522	3,577	6,322	85,644	2,830	11,336	11,167
13	Cornell University	139,954	13,528	20,317	6,763	6,688	74,052	1,964	2,048	14,594
14	Univ of Pennsylvania	132,805	6,015	15,813	2,602	83	96,824	3,890	2,378	5,200
15	Univ of Cal Berkeley	131,070	16,217	36,397	9,201	4,222	47,536	2,083	9,499	5,915
16	University of Minnesota	128,727	8,963	12,278	5,609	2,402	83,873	4,142	3,748	7,712
17	Pennsylvania State Univ	119,435	63,559	9,628	2,172	5,391	32,940	1,889	1,509	2,347
18	Univ of Southern Cal	114,766	28,079	6,874	7,133	4,427	57,064	3,219	2,493	5,477
19	Duke University	108,611	6,846	5,093	1,972	2,958	81,639	4,366	2,354	3,383
20	Washington University	102,974	1,387	3,079	1,358	2,722	88,313	1,490	3,349	1,276
	Total 1st 20 institutions	3,293,990	517,310	393,864	91,959	160,087	1,826,469	82,773	84,992	136,536
21	University of Colorado	101,345	6,842	16,527	4,229	10,235	53,665	3,768	2,173	3,906
22	Univ of Ill Urbana	100,062	24,208	20,930	9,163	4,792	25,986	3,643	1,358	9,982
23	University of Rochester	98,550	3,903	10,451	991	269	59,628	4,392	1,411	17,505
24	Univ of NC at Chapel Hill	93,244	1,319	4,727	2,012	2,177	72,500	2,393	2,169	5,947
25	University of Pittsburgh	91,094	3,071	8,490	2,372	1,567	60,723	7,051	3,913	3,907
26	University of Chicago	90,611	2,264	19,282	2,396	3,032	60,240	1,350	956	1,091
27	Univ of Texas at Austin	84,619	34,529	22,610	3,109	7,022	11,780	1,852	384	3,333
28	University of Arizona	82,913	16,298	10,136	3,567	6,304	41,899	1,225	1,598	1,886
29	New York University	77,761	1,874	3,450	5,257	474	60,924	2,998	793	1,991
30	University of Iowa	76,059	2,562	14,528	395	1,470	53,218	1,578	1,009	1,299
	Total 1st 30 institutions	4,190,248	614,180	524,995	125,450	197,429	2,327,032	113,023	100,756	187,383
31	Ohio State University	72,702	12,570	8,578	2,538	2,307	37,292	1,377	6,394	1,646
32	Univ Alabama Birmingham	70,702	932	1,004	80	51	64,520	963	935	2,217
33	Case Western Reserve Univ	69,589	7,450	4,946	390	272	52,519	934	239	2,839
34	Baylor Col of Medicine	69,499	535	106	0	0	68,174	158	0	526
35	California Inst of Tech	69,335	11,941	29,693	4,293	6,780	15,822	347	212	247
36	Yeshiva University	68,553	0	193	0	0	66,203	1,906	251	0
37	Woods Hole Ocngrphic Inst	67,289	1,097	567	0	64,242	1,226	87	70	0
38	University of Massachuset	67,183	5,139	6,770	3,258	3,142	38,888	2,791	1,608	5,587
39	Vanderbilt University	63,978	4,332	2,719	445	131	52,025	1,492	612	2,222
40	Purdue University	62,751	11,071	10,407	4,932	2,808	28,709	648	686	3,490
	Total 1st 40 institutions	4,871,829	669,247	589,978	141,386	277,162	2,752,410	123,726	111,763	206,157
41	University of Utah	61,361	5,053	7,578	1,333	1,734	41,634	631	700	2,698
42	Georgia Institute of Tech	60,949	44,606	4,874	3,639	3,401	2,928	350	608	543
43	Univ of MD College Park	60,252	14,496	16,296	4,154	6,367	11,428	1,206	2,538	3,767
44	University of Miami	60,135	853	2,262	207	8,520	43,673	1,239	2,383	998
45	Univ of Cal Davis	60,100	3,117	3,511	584	1,384	47,856	857	201	2,590
46	Boston University	60,029	3,104	5,169	1,084	1,290	43,782	2,251	828	2,521
47	University of Florida	58,696	6,978	6,796	941	3,416	36,821	1,530	652	1,562
48	Carnegie-Mellon Univ	57,605	33,736	7,454	5,848	279	6,596	1,239	1,096	1,357
49	Northwestern University	57,494	7,657	9,515	1,607	960	34,225	865	1,286	1,379
50	Indiana University	55,449	334	15,999	1,858	945	31,916	2,551	1,041	805
	Total 1st 50 institutions	5,463,899	789,181	669,432	162,641	305,458	3,053,269	136,445	123,096	224,377

See explanatory material at end of table.

(Continued)

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Table B-16. -- Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts by area of science/engineering: fiscal year 1989 1/

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	Engineering	Physical sciences	Math & computer sciences	Environmental sciences	Life sciences	Psychology	Social sciences	Other sciences, n.e.c.
51	Michigan State University	54,382	2,467	13,887	1,532	742	30,678	831	3,046	1,199
52	University of Virginia	51,990	5,738	7,062	1,079	1,294	33,891	2,068	195	663
53	U Tex Sw Med Ctr - Dallas	48,591	183	462	0	0	47,191	428	255	72
54	Univ of Cal Irvine	47,303	2,971	7,677	1,890	1,233	31,798	834	530	370
55	Princeton University	47,037	7,638	15,140	5,257	2,008	11,950	1,392	493	3,159
56	Tulane University	46,873	346	353	239	95	44,474	295	0	1,071
57	Emory University	45,840	404	2,429	205	55	38,253	1,429	163	2,902
58	University of Georgia	45,627	682	2,778	429	8,817	25,059	447	1,517	5,898
59	Texas A & M University	44,928	9,066	9,657	917	6,206	15,850	364	1,317	1,551
60	New Mexico State Univ	44,210	23,086	1,910	435	13,098	3,955	124	326	1,276
	Total 1st 60 institutions	5,940,680	841,762	730,787	174,624	339,006	3,338,368	144,657	130,938	242,538
61	N C State Univ at Raleigh	43,466	9,698	3,797	1,617	5,486	17,372	152	846	4,498
62	Univ of Ill Chicago	43,271	3,677	3,317	1,447	707	28,307	1,030	1,858	2,928
63	Utah State University	43,219	6,175	1,240	280	11,425	6,312	0	1,066	16,721
64	Virginia Commonwlth Univ	42,684	115	1,577	244	0	37,892	108	1,575	1,173
65	Oregon State University	42,562	2,211	2,487	641	14,879	18,725	80	1,258	2,281
66	SUNY at Stony Brook	41,251	967	9,963	2,118	2,533	22,627	1,196	1,010	837
67	University of Cincinnati	40,996	3,905	2,393	758	275	32,383	496	578	208
68	Mt Sinai Sch of Medicine	40,873	1,171	421	148	0	37,082	951	321	779
69	University of Connecticut	39,761	1,994	1,427	483	4,023	24,742	1,815	1,139	4,138
70	Louisiana State Univ	39,088	2,720	3,965	406	2,259	27,825	274	642	997
	Total 1st 70 institutions	6,357,851	574,395	761,374	182,766	380,593	3,589,635	150,759	141,231	277,098
71	Tufts University	38,566	950	1,028	72	50	32,042	554	64	1,806
72	Univ of Cal Santa Barbara	37,444	5,416	10,826	1,584	4,960	4,521	957	521	8,659
73	Univ of Hawaii-Manoa	36,693	2,127	8,285	757	9,643	12,337	624	312	2,608
74	Rutgers the St Univ of NJ	36,241	3,186	5,587	3,273	433	15,636	2,100	3,405	2,621
75	Colorado State University	36,120	3,188	4,800	677	5,328	19,440	991	727	969
76	Rockefeller University	35,586	82	2,151	142	157	32,082	460	0	512
77	Univ of MD Balt Prof Sch	34,648	37	0	221	0	31,276	876	326	1,912
78	VA Polytech Inst & St U	34,585	12,491	4,050	1,755	5,302	7,918	335	638	2,096
79	SUNY at Buffalo All Cmps	33,934	2,567	2,995	538	555	25,291	1,229	106	653
80	Brown University	33,000	2,423	5,495	2,979	3,312	11,033	1,517	1,468	4,773
	Total 1st 80 institutions	6,714,668	906,862	806,591	194,764	410,333	3,781,211	160,402	148,798	305,707
81	Univ of Med & Dent of N J	32,369	129	0	0	145	31,045	526	149	375
82	U Tex Hlth Sci Ctr S Anto	31,534	0	0	24	0	27,811	238	786	2,675
83	Univ of VT & St Agric Col	29,351	644	554	33	165	24,674	740	805	1,736
84	U Tex Hlth Sci Ctr Housth	28,591	0	325	0	0	25,655	1,657	169	785
85	Florida State University	28,021	1,941	5,765	8,583	5,366	4,795	650	629	292
86	U TX MD Anderson Cncr Ctr	27,772	0	81	188	0	25,742	391	0	1,370
87	University of Kentucky	27,349	912	2,970	271	554	19,403	1,272	1,213	754
88	Wake Forest University	27,314	153	148	102	0	24,939	563	0	1,409
89	Wayne State University	26,945	1,851	1,836	405	150	19,739	935	490	1,539
90	Iowa St U of Sci & Tech	25,987	4,912	2,881	791	597	12,627	153	2,969	1,057
	Total 1st 90 institutions	6,999,901	917,404	821,151	205,161	417,310	3,997,641	167,527	156,008	317,699
91	University of New Mexico	24,835	10,315	1,822	76	902	9,537	284	1,100	799
92	Georgetown University	24,728	689	817	491	0	20,500	325	1,207	699
93	Dartmouth College	24,065	1,428	1,685	406	672	16,578	1,043	1,126	1,127
94	University of Kansas	23,380	1,238	2,373	312	1,368	15,123	817	381	1,768
95	Oregon Hlth Sciences Univ	23,231	210	0	0	0	22,227	352	151	291
96	U Tex Med Brnch Galveston	23,096	86	125	3	0	21,093	733	991	65
97	Univ of Missouri Columbia	23,042	1,130	1,211	354	437	18,088	546	908	368
98	Temple University	22,929	181	746	204	23	18,307	1,172	1,417	879
99	George Washington Univ	22,730	2,856	1,533	655	51	14,156	1,368	1,163	1,248
100	University of Dayton	21,576	17,232	766	107	158	2,611	100	0	602
	Total 1st 100 institutions	7,233,513	952,469	832,229	207,769	420,921	4,155,861	174,267	164,452	325,545

1/ Does not include R&D obligations to university-administered FFRDCs.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-17. -- Federal obligations for research and development to universities and colleges by geographic division, State, and area of science/engineering: fiscal year 1989

[Dollars in thousands]

Geographic division and State	Total	Engineering	Physical sciences	Math & computer sciences	Environmental sciences	Life sciences	Psychology	Social sciences	Other sciences, n.e.c.
United States, total	8,516,849	1,152,862	979,037	258,035	554,917	4,731,546	209,344	215,404	415,704
New England									
Connecticut	188,744	4,759	16,198	6,315	6,000	136,442	6,235	3,533	9,262
Maine	9,090	1,017	415	127	3,141	3,618	229	523	20
Massachusetts	629,070	69,598	111,787	20,847	94,752	272,506	13,422	15,815	30,343
New Hampshire	37,007	2,073	5,626	874	3,372	20,256	1,564	1,692	1,550
Rhode Island	49,525	3,952	6,822	3,346	10,921	15,653	2,040	1,997	4,794
Vermont	29,630	644	576	70	177	24,749	740	938	1,736
Middle Atlantic									
New Jersey	120,772	12,798	21,095	8,859	4,785	58,810	4,018	4,047	6,360
New York	843,497	60,403	82,543	24,412	40,540	539,035	26,681	18,766	51,117
Pennsylvania	484,619	115,205	46,906	14,881	9,197	255,094	17,067	11,314	14,955
East North Central									
Illinois	324,405	40,984	55,100	15,980	11,250	168,500	8,084	7,600	16,907
Indiana	131,315	12,990	34,001	7,323	3,978	63,549	3,394	1,777	4,303
Michigan	259,265	28,207	31,790	5,607	15,497	149,217	5,984	12,359	10,604
Ohio	238,131	47,901	21,238	7,467	3,613	138,156	4,156	10,040	5,560
Wisconsin	186,093	15,473	27,428	5,817	10,336	110,691	5,288	3,615	7,445
West North Central									
Iowa	103,214	7,474	17,517	1,487	2,067	66,439	1,731	4,012	2,487
Kansas	39,105	2,609	5,113	551	4,536	22,260	923	925	2,188
Minnesota	133,439	9,153	12,499	5,980	2,574	85,365	4,227	3,757	9,884
Missouri	150,269	5,063	5,963	2,276	4,293	122,599	2,158	4,817	3,100
Nebraska	27,462	1,244	2,899	147	1,028	20,629	345	731	439
North Dakota	11,715	2,096	540	0	1,140	6,370	23	1,046	500
South Dakota	6,861	347	63	0	1,648	3,571	0	676	556
South Atlantic									
Delaware	16,333	3,292	1,909	678	3,768	4,547	308	1,718	113
District of Columbia	69,206	5,881	5,108	2,248	974	40,703	2,268	4,332	7,692
Florida	196,397	31,028	16,761	10,298	20,920	94,436	5,098	4,257	13,599
Georgia	183,001	52,164	12,438	5,180	12,825	80,277	3,170	2,736	14,211
Maryland	514,747	217,771	24,932	6,220	11,839	222,983	9,417	11,645	9,940
North Carolina	287,838	20,925	14,724	6,536	10,990	202,066	7,998	6,580	18,019
South Carolina	38,927	5,004	3,607	680	1,996	21,803	1,016	2,948	1,873
Virginia	155,454	23,323	18,287	6,065	8,528	87,617	2,616	2,931	6,087
West Virginia	15,092	3,827	580	396	723	8,287	107	924	248
East South Central									
Alabama	123,373	18,217	7,181	1,963	3,962	80,971	1,410	1,904	7,765
Kentucky	36,140	1,018	4,102	306	604	26,004	1,725	1,535	846
Mississippi	36,227	3,949	4,457	1,160	2,031	21,608	505	1,657	860
Tennessee	115,369	8,207	8,854	1,305	1,752	83,893	2,052	3,487	5,819
West South Central									
Arkansas	19,643	734	1,498	316	760	14,523	625	802	385
Louisiana	100,418	3,719	4,812	1,488	3,712	81,539	569	1,212	3,367
Oklahoma	30,968	5,985	2,841	708	3,311	15,384	827	729	1,183
Texas	439,820	59,766	47,278	14,312	20,468	268,784	8,304	5,613	15,295
Mountain									
Arizona	103,319	20,714	14,415	5,153	8,834	46,311	2,242	2,481	3,169
Colorado	147,301	12,124	22,895	5,198	18,689	73,789	5,527	3,231	5,848
Idaho	10,424	2,534	426	17	569	5,477	62	675	664
Montana	10,414	837	1,402	474	540	6,676	0	337	148
Nevada	14,113	1,502	855	313	4,969	5,323	207	188	756
New Mexico	74,134	34,713	4,182	547	17,268	13,497	408	1,426	2,093
Utah	108,117	13,613	9,036	1,696	13,332	48,578	631	1,812	19,419
Wyoming	10,349	901	1,282	540	2,470	3,791	100	398	867
Pacific									
Alaska	15,111	1,838	1,992	126	7,662	2,895	0	403	195
California	1,258,964	128,096	207,318	44,387	78,101	673,480	32,248	31,194	64,140
Hawaii	47,913	2,195	8,285	772	19,243	13,677	624	402	2,715
Oregon	90,171	4,599	6,035	1,121	17,896	53,040	1,654	1,796	4,030
Washington	224,465	19,617	14,829	4,641	20,029	134,805	9,020	5,519	16,005
Outlying areas									
Guam	1,193	29	161	0	174	808	0	21	0
Puerto Rico	16,561	673	436	825	983	8,631	297	473	4,243
American Samoa	290	0	0	0	0	290	0	0	0
Virgin Islands	1,052	77	0	0	150	767	0	58	0
Trust Territory Pac Isl	777	0	0	0	0	777	0	0	0

n.e.c. = Not elsewhere classified.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-18. -- Federal obligations to universities and colleges for fellowships, traineeships, and training grants by detailed field and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all fields	340,985	4,647	1,240	69	23,391	919	8,314	256,209	0	13,009	32,976	191
Engineering, total	16,428	528	60	7	0	158	2,079	297	0	6,895	6,228	176
Aeronautical	1,000	0	0	0	0	0	0	0	0	550	450	0
Astronautical	3	0	0	3	0	0	0	0	0	0	0	0
Chemical	1,636	0	0	0	0	16	0	0	0	198	1,422	0
Civil	1,054	0	39	0	0	0	524	0	0	81	234	176
Electrical	3,816	0	0	0	0	74	0	0	0	952	2,790	0
Mechanical	1,734	0	0	0	0	51	0	0	0	909	774	0
Metallurgy & materials	345	0	21	0	0	0	0	0	0	90	234	0
Engineering, n.e.c.	6,840	528	0	4	0	17	1,555	297	0	4,115	324	0
All sciences, total	324,557	4,119	1,180	62	23,391	781	6,235	255,912	0	6,114	26,748	15
Physical sciences, total	10,778	0	0	62	0	251	0	2,599	0	2,430	5,436	0
Astronomy	652	0	0	19	0	0	0	0	0	345	288	0
Chemistry	5,680	0	0	28	0	251	0	2,283	0	472	2,646	0
Physics	4,039	0	0	15	0	0	0	287	0	1,235	2,502	0
Physical sciences, n.e.c.	407	0	0	0	0	0	0	29	0	378	0	0
Mathematical/computer sciences, total	7,108	0	0	0	0	133	423	1,769	0	931	3,852	0
Mathematical sciences	5,767	0	0	0	0	0	0	1,737	0	178	3,852	0
Computer sciences	868	0	0	0	0	133	0	0	0	735	0	0
Math/computer sci, n.e.c.	473	0	0	0	0	0	423	32	0	18	0	0
Environmental sciences, total	4,144	0	1,158	0	0	0	904	0	0	1,038	1,044	0
Atmospheric sciences	531	0	0	0	0	0	12	0	0	393	126	0
Geological sciences	1,302	0	0	0	0	0	24	0	0	396	882	0
Oceanography	1,350	0	1,158	0	0	0	0	0	0	156	36	0
Environmental sciences, n.e.c	961	0	0	0	0	0	868	0	0	93	0	0
Life sciences, total	231,191	3,591	0	0	0	0	24	217,698	0	1,238	8,640	0
Biological (excl. env bio)	84,400	240	0	0	0	0	0	75,238	0	282	8,640	0
Environmental biology	6,061	0	0	0	0	0	24	6,019	0	18	0	0
Agricultural	3,398	3,351	0	0	0	0	0	0	0	47	0	0
Medical	136,441	0	0	0	0	0	0	136,441	0	0	0	0
Life sciences, n.e.c.	891	0	0	0	0	0	0	0	0	891	0	0
Psychology, total	16,840	0	0	0	0	0	0	14,449	0	177	2,214	0
Biological aspects	36	0	0	0	0	0	0	0	0	36	0	0
Social aspects	2,178	0	0	0	0	0	0	0	0	0	2,178	0
Psychology, n.e.c.	14,626	0	0	0	0	0	0	14,449	0	141	36	0
Social sciences, total	30,086	528	0	0	11,308	0	1,522	11,799	0	36	4,878	15
Anthropology	1,008	0	0	0	0	0	0	0	0	36	972	0
Economics	2,022	528	0	0	0	0	72	21	0	0	1,386	15
History	414	0	0	0	0	0	0	0	0	0	414	0
Linguistics	396	0	0	0	0	0	0	0	0	0	396	0
Political science	12,584	0	0	0	11,308	0	448	0	0	0	828	0
Sociology	1,809	0	0	0	0	0	12	1,149	0	0	648	0
Social sciences, n.e.c.	11,853	0	0	0	0	0	990	10,629	0	0	234	0
Other sciences, n.e.c.	24,410	0	22	0	12,083	397	3,362	7,598	0	264	684	0

n.e.c. = Not elsewhere classified.

1/ Includes DOT, AID, HUD, Labor, and NRC.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-19. -- HHS obligations to universities and colleges for fellowships, traineeships, and training grants by detailed field and HHS component: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Field of science/engineering	Total	NIH	HRSA	ADAMHA	CDC	FDA	OHDS	HCFA	SSA	OASH	Other DHHS
Total, all fields	256,209	226,396	1,322	23,652	0	0	3,669	0	0	1,170	0
Engineering, total	297	297	0	0	0	0	0	0	0	0	0
Aeronautical	0	0	0	0	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0	0	0	0	0
Engineering, n.e.c.	297	297	0	0	0	0	0	0	0	0	0
All sciences, total	255,912	226,099	1,322	23,652	0	0	3,669	0	0	1,170	0
Physical sciences, total	2,599	2,571	0	28	0	0	0	0	0	0	0
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	2,283	2,255	0	28	0	0	0	0	0	0	0
Physics	287	287	0	0	0	0	0	0	0	0	0
Physical sciences, n.e.c.	29	29	0	0	0	0	0	0	0	0	0
Mathematical/computer sciences, total	1,769	1,225	0	544	0	0	0	0	0	0	0
Mathematical sciences	1,737	1,225	0	512	0	0	0	0	0	0	0
Computer sciences	0	0	0	0	0	0	0	0	0	0	0
Math/computer sci, n.e.c.	32	0	0	32	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0	0	0	0	0
Life sciences, total	217,698	207,546	1,322	8,830	0	0	0	0	0	0	0
Biological (excl. env bio)	75,238	74,107	0	1,131	0	0	0	0	0	0	0
Environmental biology	6,019	6,019	0	0	0	0	0	0	0	0	0
Agricultural	0	0	0	0	0	0	0	0	0	0	0
Medical	136,441	127,420	1,322	7,699	0	0	0	0	0	0	0
Life sciences, n.e.c.	0	0	0	0	0	0	0	0	0	0	0
Psychology, total	14,449	4,675	0	9,774	0	0	0	0	0	0	0
Biological aspects	0	0	0	0	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0	0	0	0	0
Psychology, n.e.c.	14,449	4,675	0	9,774	0	0	0	0	0	0	0
Social sciences, total	11,799	3,172	0	3,788	0	0	3,669	0	0	1,170	0
Anthropology	0	0	0	0	0	0	0	0	0	0	0
Economics	21	0	0	0	0	0	0	0	0	21	0
History	0	0	0	0	0	0	0	0	0	0	0
Linguistics	0	0	0	0	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0	0	0	0	0
Sociology	1,149	0	0	0	0	0	0	0	0	1,149	0
Social sciences, n.e.c.	10,629	3,172	0	3,788	0	0	3,669	0	0	0	0
Other sciences, n.e.c.	7,598	6,910	0	688	0	0	0	0	0	0	0

n.e.c. = Not elsewhere classified.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-20 -- Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts by area of science/engineering: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	Engi-neering	Physical sciences	Math & computer sciences	Environ-mental sciences	Life sciences	Psychol-ogy	Social sciences	Other sciences, n.e.c.
	Total, all institutions	340,985	16,428	10,778	7,108	4,144	231,191	16,840	30,086	24,410
1	Harvard University	15,010	18	1,045	596	55	10,925	128	1,561	682
2	Stanford University	13,715	1,871	979	457	90	7,278	627	1,487	926
3	Johns Hopkins University	11,372	80	133	42	36	9,828	527	523	203
4	Univ of Cal Berkeley	11,222	879	1,220	702	54	4,699	337	1,642	1,689
5	Yale University	10,668	18	192	54	24	9,091	535	703	51
6	University of Michigan	10,607	352	24	72	108	6,364	865	1,739	1,083
7	University of Washington	10,351	244	54	234	144	7,933	322	625	795
8	Univ of Pennsylvania	9,809	75	72	36	0	7,836	282	1,252	256
9	Univ of Cal San Francisco	9,236	0	38	0	0	7,927	370	289	612
10	Washington University	8,964	36	75	0	18	7,918	169	0	748
	Total 1st 10 institutions	110,954	3,573	3,832	2,193	529	79,799	4,162	9,821	7,045
11	University of Chicago	8,589	18	417	233	0	6,377	296	942	306
12	Mass Inst of Technology	8,307	962	1,001	576	180	4,512	209	792	75
13	Columbia Univ Main Div	8,090	18	390	148	22	5,876	570	707	359
14	Univ of Cal Los Angeles	7,662	72	106	90	36	5,347	1,019	775	217
15	Univ of Cal San Diego	6,876	21	113	91	48	5,747	688	120	48
16	Univ of Wis-Madison	6,277	274	72	124	36	5,106	56	531	78
17	Duke University	6,271	72	18	18	64	5,763	0	255	81
18	Cornell University	6,200	216	562	324	18	3,881	330	808	61
19	Univ of NC at Chapel Hill	5,226	0	66	280	12	4,312	205	207	144
20	University of Minnesota	5,066	98	159	0	18	3,158	610	216	807
	Total 1st 20 institutions	179,518	5,324	6,736	4,077	963	129,878	8,145	15,174	9,221
21	University of Colorado	4,729	99	144	18	68	3,345	548	0	507
22	Vanderbilt University	4,457	18	18	84	0	3,740	561	36	0
23	Yeshiva University	4,358	0	0	0	0	3,377	166	0	815
24	Case Western Reserve Univ	4,205	386	54	0	0	3,079	181	318	187
25	University of Rochester	3,964	0	39	0	0	3,091	441	18	375
26	University of Iowa	3,818	18	18	0	0	3,423	49	113	197
27	University of Virginia	3,806	143	21	116	0	2,995	322	152	57
28	Princeton University	3,694	216	369	198	51	1,793	74	597	396
29	California Inst of Tech	3,602	492	737	18	90	2,229	0	0	36
30	Boston University	3,434	0	18	0	16	2,609	94	299	398
	Total 1st 30 institutions	219,585	6,696	8,154	4,511	1,188	159,559	10,581	16,707	12,189
31	New York University	3,350	0	0	72	0	2,756	387	135	0
32	University of Pittsburgh	2,900	0	0	0	0	1,948	456	283	213
33	U Tex Sw Med Ctr - Dallas	2,573	0	0	0	0	2,573	0	0	0
34	Univ of Southern Cal	2,500	18	36	0	0	1,566	93	421	366
35	Northwestern University	2,497	36	108	90	0	1,685	0	242	336
36	Indiana University	2,404	0	108	135	18	1,243	217	667	16
37	Univ Alabama Birmingham	2,345	0	0	0	0	2,297	25	0	23
38	University of Arizona	2,285	36	200	18	116	1,165	49	88	613
39	Univ of Ill Urbana	2,173	426	72	134	18	1,197	242	66	18
40	University of Florida	2,006	280	18	0	0	1,154	375	121	58
	Total 1st 40 institutions	244,618	7,492	8,696	4,960	1,340	177,143	12,425	18,730	13,832
41	Rutgers the St Univ of NJ	1,952	242	39	36	12	398	41	252	932
42	Univ of Cal Davis	1,945	18	18	0	24	1,636	51	28	170
43	University of Utah	1,792	42	42	18	18	1,260	81	52	279
44	Purdue University	1,719	396	31	18	9	827	48	156	234
45	Colorado State University	1,703	36	81	95	36	762	0	0	693
46	University of Cincinnati	1,701	322	21	0	0	1,183	0	19	156
47	Baylor Col of Medicine	1,682	0	0	0	0	1,650	0	0	32
48	University of Miami	1,627	0	0	0	18	1,346	182	0	81
49	Michigan State University	1,614	128	67	18	0	1,103	0	280	18
50	Virginia Commonwlth Univ	1,571	0	0	0	0	1,400	0	138	33
	Total 1st 50 institutions	261,924	8,676	8,995	5,145	1,457	188,708	12,828	19,655	16,460

(Continued)

Table B-20. -- Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts by area of science/engineering: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	Engineering	Physical sciences	Math & computer sciences	Environmental sciences	Life sciences	Psychology	Social sciences	Other sciences, n.e.c.
51	University of Kansas	1,542	107	16	423	0	546	107	324	19
52	Univ of Texas at Austin	1,520	231	221	36	72	474	153	300	33
53	Pennsylvania State Univ	1,484	156	110	18	18	1,032	49	70	31
54	Univ of Cal Irvine	1,443	0	18	0	0	1,226	81	0	118
55	University of Connecticut	1,337	66	0	0	0	866	273	132	0
56	Texas A & M University	1,302	590	142	0	110	173	0	48	239
57	Univ of MD College Park	1,249	442	57	36	18	57	56	371	212
58	Univ of Alaska Fairbanks	1,194	0	18	0	1,158	18	0	0	0
59	Rockefeller University	1,170	0	20	0	0	1,134	16	0	0
60	University of Massachuset	1,159	108	27	0	18	573	162	120	151
	Total 1st 60 institutions	275,324	10,376	9,624	5,658	2,851	194,807	13,725	21,020	17,263
61	Ohio State University	1,153	89	62	54	0	711	98	66	73
62	Brown University	1,125	0	0	36	72	452	286	279	0
63	SUNY at Stony Brook	1,099	12	21	12	0	664	211	43	136
64	Mt Sinai Sch of Medicine	1,039	0	0	0	0	885	154	0	0
65	Carnegie-Mellon Univ	1,028	126	0	320	0	278	206	98	0
66	Brandeis University	1,015	0	16	0	0	726	162	111	0
67	Thomas Jefferson Univ	1,002	0	110	0	0	864	0	0	28
68	N C State Univ at Raleigh	992	54	0	18	80	519	0	15	306
69	Wayne State University	951	0	0	0	0	531	0	231	189
70	Tufts University	924	8	0	0	0	780	0	136	0
	Total 1st 70 institutions	285,652	10,665	9,833	6,098	3,003	201,217	14,842	21,999	17,995
71	U Tex Hlth Sci Ctr S Anto	875	0	0	0	0	859	0	0	16
72	Univ of Ill Chicago	849	72	0	0	4	518	0	0	255
73	U Tex Hlth Sci Ctr Houstn	841	0	0	0	0	661	35	145	0
74	SUNY at Buffalo All Cmps	832	36	0	0	0	675	18	89	14
75	Univ of Missouri Columbia	831	36	0	0	0	782	0	13	0
76	Xavier University of LA	822	486	0	0	92	216	0	0	28
77	Oregon State University	811	22	0	0	66	515	0	108	100
78	Temple University	807	0	0	0	0	789	0	18	0
79	University of Oregon Main	791	0	0	18	0	755	0	18	0
80	Oregon Hlth Sciences Univ	782	0	0	0	0	612	28	0	142
	Total 1st 80 institutions	293,893	11,317	9,833	6,116	3,165	207,599	14,923	22,390	18,550
81	Univ of VT & St Agric Col	745	0	0	0	0	704	41	0	0
82	Wake Forest University	740	0	0	0	0	740	0	0	0
83	University of New Mexico	740	153	0	0	17	290	107	158	15
84	U TX MD Anderson Cncr Ctr	739	0	0	0	0	739	0	0	0
85	Florida A & M University	731	0	0	0	0	596	0	135	0
86	Georgia Institute of Tech	717	260	36	36	18	16	78	56	217
87	Howard University	712	191	0	0	64	250	0	155	52
88	University of Georgia	623	0	18	0	36	423	36	110	0
89	Dartmouth College	603	36	0	0	0	522	0	25	20
90	Louisiana State Univ	596	18	0	97	0	481	0	0	0
	Total 1st 90 institutions	300,839	11,975	9,887	6,249	3,300	212,360	15,185	23,029	18,854
91	University of Oklahoma	594	40	18	0	0	108	147	0	281
92	Old Dominion University	568	395	0	88	3	28	36	0	18
93	Emory University	531	0	40	0	0	341	12	0	138
94	U Tenn - Memphis	530	0	0	0	0	530	0	0	0
95	Univ of P R-Rio Piedras	529	0	21	0	18	270	0	120	100
96	The Medical Col of Penna	525	0	0	0	0	384	141	0	0
97	Albany Medical College	520	0	0	0	0	520	0	0	0
98	University of Notre Dame	513	54	28	0	0	211	84	18	118
99	Univ of Med & Dent of N J	499	0	0	0	0	499	0	0	0
100	Wright State University	496	0	0	0	0	496	0	0	0
	Total 1st 100 institutions	306,144	12,464	9,994	6,337	3,321	215,747	15,605	23,167	19,509

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

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Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	8,516,849	336,036	66,041	1,220,606	67,044	444,499	77,503	4,512,022	52,828	435,702	1,206,568	98,000
Alabama, total	123,373	8,102	147	12,477	897	1,970	439	72,285	1,074	18,002	6,793	1,187
Alabama A & M University	4,477	1,457	0	112	0	385	0	0	0	1,229	1,294	0
Alabama State University	74	0	0	0	0	0	0	0	0	0	74	0
Auburn University	15,213	5,038	42	3,365	0	1,058	439	294	799	2,001	990	1,187
Jacksonville State Univ	68	0	0	0	0	0	0	68	0	0	0	0
The University of Alabama	3,500	0	0	430	0	377	0	1,120	275	271	1,027	0
Tuskegee University	3,627	1,492	0	816	0	150	0	628	0	491	50	0
Univ of Alabama Sys Off	105	15	90	0	0	0	0	0	0	0	0	0
Univ of South Alabama	7,382	0	0	120	0	0	0	6,882	0	0	380	0
Univ Alabama Birmingham	70,702	100	15	1,279	897	0	0	63,293	0	2,659	2,459	0
Univ Alabama Huntsville	18,225	0	0	6,355	0	0	0	0	0	11,351	519	0
Alaska, total	15,111	1,264	1,209	533	62	704	0	721	656	3,365	6,597	0
Univ of Alaska Anchorage	553	0	126	0	62	0	0	154	132	0	79	0
Univ of Alaska Fairbanks	12,948	60	1,077	533	0	454	0	567	374	3,365	6,518	0
Univ of Alaska Southeast	150	0	0	0	0	0	0	0	150	0	0	0
Univ of Alaska System Off	1,460	1,204	6	0	0	250	0	0	0	0	0	0
Arizona, total	103,319	3,973	162	11,387	1,586	3,043	672	41,792	1,759	17,508	20,206	1,231
Arizona State University	17,719	0	20	2,878	111	1,302	99	3,868	0	1,749	7,521	171
Northern Arizona Univ	2,278	144	0	34	580	0	0	359	69	30	1,062	0
Univ & St Col of Ariz S O	409	0	0	0	0	0	0	0	409	0	0	0
University of Arizona	82,913	3,829	142	8,475	895	1,741	573	37,565	1,281	15,729	11,623	1,060
Arkansas, total	19,643	7,308	0	593	1,347	1,177	374	6,996	164	264	1,420	0
Arkansas College	8	0	0	0	0	0	0	0	0	8	0	0
Arkansas State University	107	0	0	0	0	0	0	0	0	107	0	0
Hendrix College	55	0	0	0	0	0	0	0	0	0	55	0
John Brown University	11	0	0	0	0	0	0	11	0	0	0	0
Ouachita Baptist Univ	127	0	0	119	0	0	0	0	0	0	8	0
Philander Smith College	5	5	0	0	0	0	0	0	0	0	0	0
U of Arkansas Med Sci Cam	6,385	0	0	0	0	0	0	6,220	0	0	165	0
Univ of Ark Fayetteville	10,467	6,101	0	60	1,347	1,177	374	425	14	119	850	0
Univ of Ark Little Rock	1,216	0	0	354	0	0	0	340	150	30	342	0
Univ of Ark Pine Bluff	1,262	1,202	0	60	0	0	0	0	0	0	0	0
California, total	1,258,964	15,101	4,190	167,992	11,174	73,289	6,269	671,546	4,363	106,121	193,512	5,407
Cal Poly St U San Luis Ob	688	26	0	5	0	0	0	0	37	170	450	0
Cal St U - San Bernadino	109	0	0	0	0	0	0	0	0	0	109	0
Calif St Poly Univ Pomona	6	0	0	0	0	0	0	0	0	0	6	0
Calif St U Bakersfield	77	0	0	0	0	0	0	0	0	0	77	0
Calif St Univ & Col Sys O	155	0	0	0	0	0	70	0	0	0	85	0
Calif St Univ Fullerton	1,366	0	0	0	0	42	0	229	0	16	1,079	0
Calif St Univ Hayward	185	0	0	0	0	0	0	101	0	50	34	0
Calif St Univ Long Beach	1,629	0	0	43	0	89	0	713	0	149	635	0
Calif St Univ Los Angeles	2,575	0	0	43	0	6	0	1,322	0	0	1,204	0
Calif St Univ Northridge	615	0	0	41	0	57	0	173	0	52	292	0
Calif St Univ Sacramento	324	0	0	0	0	0	0	0	0	0	324	0
Calif State Univ Chico	8	0	0	0	0	0	0	0	0	0	8	0
Calif State Univ Fresno	175	0	0	0	0	0	0	100	0	75	0	0
California Inst of Tech	69,335	0	86	14,423	0	9,353	274	12,633	948	7,286	24,332	0
Chapman College	72	0	0	0	0	0	0	72	0	0	0	0
Charles R. Drew Med&Sci	3,542	0	0	0	0	0	0	3,542	0	0	0	0
Claremont U Ctr& Grad Sch	93	1	0	0	0	0	0	0	0	0	92	0
Deep Springs College	8	0	0	0	0	0	0	0	0	0	8	0
Foothill-Deanza CCSys Off	66	0	0	0	0	0	0	0	0	66	0	0
Harvey Mudd College	523	0	0	0	0	0	0	0	0	28	495	0
Humboldt State University	1,587	157	0	0	0	0	0	0	1,218	95	117	0
L A City Jr Col Dst S O	455	0	0	0	0	0	0	0	0	0	455	0
Loma Linda University	1,985	0	0	0	0	0	0	1,975	0	0	10	0
Merritt College	158	0	0	0	0	0	0	158	0	0	0	0
Mills College	161	0	0	0	0	0	0	0	0	0	161	0
Occidental College	197	0	0	50	0	0	0	0	0	0	147	0
Pepperdine University	100	0	0	0	0	0	0	0	0	0	100	0
Pitzer College	151	0	0	0	0	0	0	121	0	30	0	0
Point Loma College	45	0	0	0	0	0	0	0	0	0	45	0
Pomona College	148	0	0	0	0	0	0	0	0	0	148	0
San Diego State Univ	11,115	0	47	2,771	0	1,510	0	4,435	100	249	2,003	0
San Francisco State Univ	2,323	0	0	328	155	120	0	841	35	109	735	0
San Jose State University	5,190	0	30	799	0	0	0	329	0	2,518	1,514	0
Santa Clara University	509	0	0	0	0	0	0	0	0	163	346	0
Sonoma State University	435	0	0	0	156	0	0	0	0	12	267	0
Stanford University	239,847	710	48	39,635	996	15,735	3,368	110,960	119	41,225	27,051	0
Sthrn Cal Inst of Arch	13	0	0	0	0	0	0	0	0	13	0	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
U of Cal Sys Wide Prgms	1,521	0	5	0	0	1,344	0	0	172	0	0	0
Univ of Cal Berkeley	131,070	8,872	734	12,701	6,923	4,206	400	38,361	446	24,219	32,522	1,686
Univ of Cal Davis	60,100	3,068	111	1,803	858	5,211	280	38,980	362	1,430	6,037	1,960
Univ of Cal Irvine	47,303	296	57	4,386	0	3,729	320	29,734	0	1,249	7,532	0
Univ of Cal Los Angeles	170,839	160	53	10,709	1,336	17,667	540	115,049	75	6,084	19,078	88
Univ of Cal Riverside	11,958	1,161	0	526	317	1,505	364	4,707	0	302	3,068	8
Univ of Cal San Diego	166,601	470	2,897	29,101	0	3,229	0	87,243	291	11,946	31,424	0
Univ of Cal San Francisco	159,027	0	0	2,037	0	3,306	175	150,222	0	1,283	1,943	61
Univ of Cal Santa Barbara	37,444	180	122	13,247	271	3,166	406	4,082	385	1,126	13,405	1,054
Univ of Cal Santa Cruz	10,253	0	0	1,241	0	1,482	0	2,750	0	524	4,256	0
Univ of San Francisco	469	0	0	118	0	0	0	0	0	351	0	0
Univ of Southern Cal	114,766	0	0	33,945	162	1,532	72	61,524	175	5,290	11,516	550
University of the Pacific	913	0	0	40	0	0	0	704	0	11	158	0
University of San Diego	596	0	0	0	0	0	0	398	0	0	198	0
US International Univ	88	0	0	0	0	0	0	88	0	0	0	0
Westmont College	46	0	0	0	0	0	0	0	0	0	46	0
Colorado, total	147,301	6,232	2,108	12,261	319	6,538	1,221	71,113	1,741	15,357	30,098	313
Colorado College	128	0	0	0	0	0	0	0	0	0	128	0
Colorado School of Mines	3,600	0	0	730	0	1,178	352	0	541	0	799	0
Colorado State University	36,120	6,232	0	4,684	121	1,149	325	13,604	533	1,299	7,913	260
Metropolitan State Col	162	0	0	0	0	0	0	0	0	0	162	0
National Tech University	100	0	0	100	0	0	0	0	0	0	0	0
Regis College	70	0	0	0	0	0	0	0	0	0	70	0
Univ of Northern Colorado	631	0	0	0	0	0	0	67	0	0	564	0
Univ of Southern Colorado	186	0	0	0	0	0	0	0	0	186	0	0
University of Colorado	101,345	0	2,108	5,679	198	3,928	494	56,156	667	12,919	19,143	53
University of Denver	4,959	0	0	1,068	0	283	50	1,286	0	953	1,319	0
Connecticut, total	188,744	1,584	3,376	11,078	100	10,100	934	144,981	150	1,120	15,321	0
Central Conn State Univ	50	0	0	0	50	0	0	0	0	0	0	0
Connecticut College	20	0	0	0	0	0	0	0	0	0	20	0
Fairfield University	58	0	0	0	0	35	0	0	0	0	23	0
Quinnipiac College	211	0	0	0	0	0	0	211	0	0	0	0
Southern Conn State Univ	65	0	0	0	0	0	0	51	0	0	14	0
St Joseph College	65	0	0	0	50	0	0	15	0	0	0	0
Trinity College	50	0	0	0	0	0	0	0	0	0	50	0
University of Bridgeport	144	0	0	0	0	0	0	64	0	80	0	0
University of Connecticut	39,761	1,537	3,346	3,079	0	477	586	26,342	150	172	4,072	0
University of Hartford	137	0	0	0	0	0	0	0	0	0	137	0
University of New Haven	58	0	0	0	0	0	0	0	0	0	58	0
Wesleyan University	1,843	0	0	0	0	0	45	746	0	0	1,052	0
Western Conn State Univ	37	0	0	0	0	0	0	0	0	0	37	0
Yale University	146,245	47	30	7,999	0	9,588	303	117,552	0	868	9,858	0
Delaware, total	16,333	1,928	1,221	2,836	960	585	253	2,927	150	583	4,890	0
Delaware State University	487	487	0	0	0	0	0	0	0	0	0	0
University of Delaware	15,846	1,441	1,221	2,836	960	585	253	2,927	150	583	4,890	0
District of Columbia, total	69,206	1,053	313	5,693	6,330	1,695	711	40,929	150	3,862	5,742	2,728
American University	2,153	0	0	0	0	0	0	409	0	27	658	1,059
Catholic Univ of America	4,904	0	191	1,889	0	282	100	1,098	0	670	663	11
Gallaudet University	1,362	0	0	0	445	0	0	575	0	0	342	0
George Washington Univ	22,730	6	84	1,961	50	718	0	16,395	0	2,362	1,046	108
Georgetown University	24,728	367	38	891	666	300	416	19,193	0	0	1,307	1,550
Howard University	12,291	201	0	627	5,169	395	195	3,259	0	759	1,686	0
University of D C	1,038	479	0	325	0	0	0	0	150	44	40	0
Florida, total	196,397	9,136	2,556	43,122	1,173	17,545	1,399	86,946	789	5,362	26,710	1,659
Bethune Cookman College	92	0	0	0	0	0	0	0	0	0	92	0
Embry-Riddle Aero Univ	48	0	0	0	0	0	0	0	0	48	0	0
Florida A & M University	3,340	1,079	0	537	0	75	0	1,122	0	108	419	0
Florida Atlantic Univ	1,912	0	20	520	0	70	0	361	10	299	632	0
Florida Inst of Tech	1,072	0	0	140	0	0	0	568	0	103	261	0
Florida International U	359	0	0	0	0	0	0	24	0	0	335	0
Florida State University	28,021	0	335	1,422	0	13,745	491	3,881	0	1,238	6,368	541
Miami-Dade Cmty College	12	0	0	0	0	0	0	0	0	0	0	12
Nova University	1,434	0	0	172	0	0	0	369	10	0	883	0
Rollins College	43	0	0	0	0	0	0	0	0	0	43	0
State Univ Sys of Fla Off	19,938	0	0	19,800	0	138	0	0	0	0	0	0
Univ of Central Florida	8,988	0	0	8,073	0	0	75	0	0	435	405	0
Univ of South Florida	12,060	980	210	764	600	150	185	6,912	0	574	1,685	0
Univ of West Florida	200	0	0	53	0	0	49	0	0	0	98	0
University of Florida	58,696	7,077	1,945	6,939	83	3,074	599	28,099	769	1,415	7,593	1,103
University of Miami	60,135	0	46	4,702	490	293	0	45,610	0	1,142	7,852	0
University of North Fla	47	0	0	0	0	0	0	0	0	0	44	3
Georgia, total	183,001	8,586	1,467	53,923	415	18,355	1,938	72,652	872	6,700	16,707	1,386
Agnes Scott College	14	0	0	0	0	0	0	0	0	0	14	0
Atlanta University	4,863	0	0	1,762	0	467	0	905	84	109	1,536	0
Augusta College	10	0	0	0	0	0	0	0	0	0	10	0
Berry College	16	0	0	0	0	0	0	0	0	0	16	0
Clark Atlanta University	516	0	0	0	0	0	0	0	0	0	0	0
Columbus College	44	0	0	0	0	306	0	210	0	0	44	0
Emory University	45,840	0	0	1,239	326	99	0	42,238	0	285	1,653	0
Fort Valley State Univ	1,684	1,537	0	0	0	50	0	41	0	0	46	10
Georgia Institute of Tech	60,949	15	402	43,610	0	1,264	440	3,751	288	5,404	5,690	65
Georgia Southern College	399	0	0	0	0	0	0	254	0	44	101	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 3 of 12)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Georgia, cont'd												
Georgia State University	3,424	0	0	154	89	48	0	2,127	4	145	857	0
Kennesaw College	76	0	0	0	0	0	0	76	0	0	0	0
Medical Col of Georgia	8,552	0	0	407	0	0	0	8,145	0	0	0	0
Mercer University	6,284	0	0	5,825	0	0	0	275	0	0	184	0
Morehouse College	333	0	0	204	0	0	105	0	0	0	18	6
Morehouse School of Med	3,862	0	0	0	0	0	230	3,628	0	0	4	0
Morris Brown College	10	0	0	0	0	0	0	0	0	0	0	10
Savannah State College	115	0	0	0	0	80	0	0	0	0	35	0
Spelman College	230	0	0	90	0	0	0	0	0	90	50	0
Univ System of Georgia	153	0	0	0	0	100	0	0	53	0	0	0
University of Georgia	45,627	7,034	1,065	632	0	15,941	1,163	11,002	443	623	6,449	1,275
Hawaii, total	47,913	4,282	9,001	2,666	0	1,659	0	9,136	676	5,529	12,390	2,574
Univ of Hawaii Sys Off	10,565	789	9,001	0	0	0	0	0	31	0	234	510
Univ of Hawaii-Manoa	36,693	3,483	0	2,666	0	1,659	0	9,136	0	5,529	12,156	2,064
Univ Hawaii at Hilo	655	10	0	0	0	0	0	0	645	0	0	0
Idaho, total	10,424	3,397	0	152	0	271	176	939	2,104	1,692	1,585	108
Boise State University	157	0	0	40	0	0	0	0	0	0	117	0
Idaho State University	458	0	0	0	0	51	0	88	35	0	284	0
University of Idaho	9,809	3,397	0	112	0	220	176	851	2,069	1,692	1,184	108
Illinois, total	324,405	8,134	1,668	32,119	4,149	20,964	2,313	161,519	816	10,685	79,383	2,655
Augustana College	223	0	0	0	0	0	0	0	0	0	223	0
Black Hawk College	43	0	0	43	0	0	0	0	0	0	0	0
Bradley University	17	0	0	0	0	0	0	0	0	0	17	0
Chicago Col of Osteo Med	368	0	0	0	0	0	0	368	0	0	0	0
Chicago State University	62	0	0	0	0	62	0	0	0	0	0	0
College of Lake County	126	0	0	126	0	0	0	0	0	0	0	0
De Paul University	647	0	0	0	0	0	152	486	0	0	9	0
Eastern Illinois Univ	165	0	0	0	0	0	0	0	0	0	165	0
Illinois Inst of Tech	4,777	0	0	297	50	365	126	2,967	0	102	870	0
Illinois State University	1,219	60	0	0	0	209	0	513	0	0	437	0
Knox College	321	0	0	0	0	0	0	171	0	0	150	0
Lake Forest College	61	0	0	0	0	0	0	0	0	0	61	0
Loyola Univ - Chicago	6,209	0	0	315	0	0	47	5,313	0	0	534	0
National College of Educ	68	0	0	0	0	0	0	68	0	0	0	0
Northeastern Ill Univ	73	0	0	0	0	0	0	0	0	0	73	0
Northern Illinois Univ	2,929	0	0	124	69	330	0	1,261	0	0	1,145	0
Northwestern University	57,494	60	91	4,207	1,432	3,710	0	34,753	47	1,104	12,005	85
Parkland College	290	0	0	0	0	0	0	0	0	0	290	0
Rosary College	67	0	0	0	0	0	0	67	0	0	0	0
Rush University	1,493	0	0	0	0	0	0	1,316	0	0	177	0
S Illinois U Edwardsville	526	0	0	0	0	0	0	114	0	0	412	0
Southern Ill U-Carbondale	5,405	432	0	925	0	69	0	2,802	338	157	682	0
Southrn Ill Univ Sys Off	192	67	0	0	125	0	0	0	0	0	0	0
U Hlth Sci/Chcgo Med Sch	3,317	0	0	100	0	0	0	3,217	0	0	0	0
Univ of Ill Chicago	43,271	65	50	4,942	623	762	318	30,986	0	258	5,267	0
Univ of Ill Urbana	100,062	7,104	117	18,694	0	10,958	1,646	16,509	431	3,506	38,527	2,570
Univ of Illinois Sys Off	4,234	62	1,343	0	1,850	184	0	0	0	0	795	0
University of Chicago	90,611	284	67	2,346	0	4,315	24	60,473	0	5,558	17,544	0
Western Illinois Univ	135	0	0	0	0	0	0	135	0	0	0	0
Indiana, total	131,315	7,770	0	9,258	188	11,243	1,268	55,905	484	3,897	37,486	3,816
Ball State University	47	0	0	0	0	0	0	0	0	0	47	0
Butler University	315	0	0	0	0	0	241	25	0	0	49	0
De Pauw University	20	0	0	0	0	0	0	0	0	20	0	0
Ind Voc Tech C-Indnplis	4	0	0	0	0	0	0	0	0	0	0	4
Indiana State University	441	0	0	0	0	0	0	298	0	63	80	0
Indiana University	55,449	32	0	725	42	2,712	312	34,528	100	471	16,527	0
Purdue University	62,751	7,738	0	7,306	146	5,017	545	18,401	384	3,127	16,275	3,812
Rose-Hulman Inst of Tech	390	0	0	0	0	0	0	0	0	0	390	0
St Mary's College	24	0	0	0	0	0	0	0	0	20	4	0
University of Evansville	20	0	0	0	0	0	0	0	0	20	0	0
University of Notre Dame	11,643	0	0	1,227	0	3,389	170	2,628	0	176	4,053	0
Valparaiso University	186	0	0	0	0	125	0	0	0	0	61	0
Wabash College	25	0	0	0	0	0	0	25	0	0	0	0
Iowa, total	103,214	11,510	2,754	3,630	298	1,208	857	60,763	541	13,016	8,028	609
Coe College	29	0	0	0	0	0	0	0	0	0	29	0
Cornell College	1	0	0	0	0	0	0	0	1	0	0	0
Divine Word College	34	0	0	0	0	0	0	0	0	0	34	0
Grinnell College	135	0	0	0	0	0	0	0	0	0	135	0
Iowa St U of Sci & Tech	25,987	11,410	2,628	993	0	777	259	4,337	540	606	3,628	609
Maharishi Intl University	561	0	0	0	0	0	0	278	0	0	283	0
Univ of Northern Iowa	408	0	0	0	0	0	0	0	0	0	408	0
University of Iowa	76,059	100	126	2,637	298	431	598	56,148	0	12,410	3,311	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 4 of 12)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Kansas, total	39,105	4,837	49	1,668	2,583	2,346	2,181	17,835	198	1,313	5,306	789
Fort Hays St Univ	126	0	0	0	126	0	0	0	0	0	0	0
Kans St U - Ag & App Sci	14,448	4,837	0	508	0	1,964	2,120	2,115	150	386	2,104	264
Pittsburg State Univ	272	0	0	0	0	0	0	0	0	0	272	0
St Mary College	16	0	0	0	0	0	0	0	0	0	16	0
University of Kansas	23,380	0	49	1,139	2,457	382	61	15,564	48	877	2,793	10
Wichita State University	863	0	0	21	0	0	0	156	0	50	121	515
Kentucky, total	36,140	8,255	30	1,000	95	2,220	287	19,811	470	426	3,496	50
Bellarmine College	1	0	0	0	0	0	0	0	0	0	1	0
Centre College	12	0	0	0	0	0	0	0	0	0	12	0
Kentucky Christian Col	278	0	0	0	0	0	0	278	0	0	0	0
Kentucky State University	1,919	1,919	0	0	0	0	0	0	0	0	0	0
Murray State University	30	0	0	0	0	0	0	0	0	0	30	0
Northern Kentucky Univ	139	0	0	0	0	0	0	0	0	0	139	0
University of Kentucky	27,349	6,336	30	900	95	1,935	210	14,481	470	178	2,664	50
University of Louisville	6,165	0	0	100	0	285	77	4,895	0	248	560	0
Western Kentucky Univ	247	0	0	0	0	0	0	157	0	0	90	0
Louisiana, total	100,418	5,501	1,624	36,373	0	3,136	1,148	42,121	634	1,169	7,157	1,555
Grambling State Univ	594	0	0	191	0	115	0	150	0	0	138	0
Louisiana State Univ	39,088	4,252	383	2,385	0	2,837	948	21,959	484	685	5,155	0
Louisiana Tech University	562	151	0	25	0	170	0	0	0	24	192	0
Loyola Univ - New Orleans	25	0	0	0	0	0	0	0	0	0	25	0
LA St Univ System Office	1,595	0	1,241	0	0	0	0	109	150	0	95	0
McNeese State University	112	0	0	0	0	0	0	0	0	0	112	0
Northeast Louisiana Univ	218	0	0	0	0	0	80	0	0	72	66	0
Southern U & A&M College	1,991	1,098	0	101	0	14	0	171	0	286	321	0
Tulane University	46,873	0	0	26,344	0	0	90	18,115	0	102	667	1,555
Univ of Southwestern LA	815	0	0	0	0	0	0	429	0	0	386	0
Xavier University of LA	8,545	0	0	7,327	0	0	30	1,188	0	0	0	0
Maine, total	9,090	2,843	2,060	176	0	0	716	902	368	369	1,656	0
Bowdoin College	317	0	0	0	0	0	0	152	0	40	125	0
Colby College	50	0	0	0	0	0	0	0	0	50	0	0
College of the Atlantic	5	0	0	0	0	0	0	0	5	0	0	0
Maine Maritime Academy	61	0	19	0	0	0	0	0	0	0	42	0
Univ of Maine Augusta	2,041	0	2,041	0	0	0	0	0	0	0	0	0
Univ of Maine Orono	5,677	2,496	0	142	0	0	716	590	0	279	1,454	0
Univ of Maine System Off	540	347	0	0	0	0	0	0	193	0	0	0
Univ Maine, Presque Isle	34	0	0	34	0	0	0	0	0	0	0	0
University of ME-Bangor	150	0	0	0	0	0	0	0	150	0	0	0
University of Sthrn Maine	215	0	0	0	0	0	0	160	20	0	35	0
Maryland, total	514,747	4,825	3,277	217,668	4,124	8,442	3,764	218,504	5	14,187	27,766	12,185
Col of Notre Dame of MD	73	0	0	0	0	0	0	0	0	0	73	0
Johns Hopkins University	411,879	48	91	203,192	2,329	1,801	324	179,513	0	4,435	9,314	10,832
Loyola College	275	0	0	64	0	0	0	0	0	0	211	0
Morgan State University	647	0	0	0	0	0	0	0	0	61	568	18
Mount St Mary's Col (MD)	6	0	0	0	0	0	0	0	0	6	0	0
Salisbury State College	16	0	0	0	0	0	0	0	0	0	16	0
St Mary's College of MD	79	0	0	0	0	0	0	79	0	0	0	0
Towson State University	29	0	0	0	0	0	0	0	0	0	29	0
U of MD Baltimore County	3,369	0	0	82	0	35	0	2,221	0	148	653	230
U of MD Center for Ees	168	0	0	72	0	96	0	0	0	0	0	0
U of MD Eastern Shore	1,023	865	75	0	0	0	0	0	5	0	78	0
U of MD University Coll	25	0	0	0	0	0	0	25	0	0	0	0
Univ of Maryland Sys Off	2,258	19	2,239	0	0	0	0	0	0	0	0	0
Univ of MD Balt Prof Sch	34,648	0	0	2,520	0	0	10	31,461	0	0	657	0
Univ of MD College Park	60,252	3,893	872	11,738	1,795	6,510	3,430	5,205	0	9,537	16,167	1,105

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Massachusetts, total	629,070	15,251	4,043	115,298	1,584	59,970	5,236	271,872	901	27,431	117,285	10,199
Amherst College	1,044	100	0	0	0	0	0	652	0	0	292	0
Bentley College	20	0	0	20	0	0	0	0	0	0	0	0
Boston College	4,693	0	0	1,425	0	197	0	1,575	0	43	1,233	220
Boston University	60,029	0	39	5,689	114	1,648	90	44,966	13	1,519	5,951	0
Brandeis University	15,491	0	84	195	59	709	0	10,744	0	326	3,374	0
Bridgewater State College	215	0	0	0	0	0	0	0	0	0	215	0
Clark University	1,424	0	0	133	0	42	0	299	0	0	466	484
Col of the Holy Cross	191	0	0	0	0	0	0	110	0	0	81	0
Emmanuel College	1,174	0	0	1,167	0	0	0	0	0	0	7	0
Hampshire College	207	0	0	0	0	0	0	55	0	0	152	0
Harvard University	141,760	0	0	7,396	500	4,459	800	99,634	77	4,404	18,384	6,106
Hellenic Col Holy Cross	112	0	0	0	0	0	0	112	0	0	0	0
Lesley College	309	0	0	0	0	0	0	0	0	0	309	0
Mass Col Phar/Allied Hlth	50	0	0	50	0	0	0	0	0	0	0	0
Mass Inst of Technology	207,157	0	50	42,287	657	49,277	381	50,676	485	19,225	41,304	2,815
Mass State Col Sys Off	30	0	0	0	0	30	0	0	0	0	0	0
Mount Holyoke College	448	0	0	0	0	55	0	0	0	38	355	0
Northeastern University	10,037	0	0	2,639	0	328	0	3,498	6	54	3,512	0
Radcliffe College	337	0	0	174	0	0	0	163	0	0	0	0
Regis College	414	0	0	414	0	0	0	0	0	0	0	0
Simmons College	739	0	0	0	0	0	0	346	0	0	393	0
Simon's Rock	70	0	0	0	0	0	0	0	0	0	70	0
Smith College	230	0	0	0	0	0	0	80	0	0	150	0
Southeastern Mass Univ	1,199	718	0	0	0	[illegible]	0	114	0	0	367	0
Stonehill College	46	0	0	0	0		0	0	0	46	0	0
Tufts University	38,566	11,345	0	382	0	1,039	3,642	19,976	0	5	1,721	456
Univ of Mass System Off	563	188	263	0	0	0	0	0	112	0	0	0
University of Lowell	2,397	0	0	962	0	110	0	877	0	40	388	20
University of Massachuset	67,183	2,900	66	11,894	254	1,530	323	36,356	208	1,186	12,466	0
Wellesley College	1,079	0	0	0	0	0	0	437	0	80	562	0
Wentworth Inst of Tech	1,927	0	0	1,927	0	0	0	0	0	0	0	0
Western New England Col	106	0	0	64	0	0	0	0	0	0	42	0
Wheelock College	20	0	0	0	0	0	0	20	0	0	0	0
Williams College	684	0	0	0	0	0	0	286	0	45	353	0
Woods Hole Ocngrphic Inst	67,289	0	3,481	38,365	0	428	0	410	0	204	24,401	0
Worcester Poly Institute	1,830	0	60	115	0	118	0	486	0	216	737	98
Michigan, total	259,265	12,036	3,215	16,292	2,480	12,470	3,761	146,496	717	12,708	43,825	5,265
Alma College	32	0	0	0	0	0	0	0	0	0	32	0
Andrews University	68	0	0	0	0	0	0	0	0	0	68	0
Calvin College	232	0	0	0	0	0	0	103	0	0	129	0
Central Michigan Univ	21	0	0	0	0	0	0	0	0	0	21	0
Eastern Michigan Univ	569	0	0	0	0	0	0	275	0	0	294	0
Grand Valley State Univ	369	0	0	0	0	0	0	0	0	8	361	0
GMI Engr/Management Inst	32	0	0	0	0	0	0	0	0	0	32	0
Hope College	514	0	0	0	0	0	0	59	0	0	455	0
Kalamazoo College	20	0	0	0	0	0	0	0	0	0	20	0
Madonna College	150	0	0	0	0	0	0	0	0	0	150	0
Marygrove College	25	0	0	0	0	0	0	25	0	0	0	0
Michigan State University	54,382	10,295	85	1,620	2,007	3,524	417	15,275	200	499	18,073	2,387
Michigan Tech University	4,725	403	45	1,842	0	521	77	82	410	134	834	377
Northern Michigan Univ	42	0	0	0	0	0	0	0	2	0	40	0
Oakland Community College	89	0	0	28	0	43	18	0	0	0	0	0
Oakland University	2,536	0	0	0	0	0	0	1,968	0	0	568	0
University of Detroit	213	0	0	20	0	0	0	122	0	0	71	0
University of Michigan	167,865	1,338	3,085	11,372	424	8,021	3,249	105,926	0	11,856	20,147	2,447
Wayne State University	26,945	0	0	1,314	0	283	0	22,661	105	123	2,405	54
Western Michigan Univ	436	0	0	96	49	78	0	0	0	88	125	0
Minnesota, total	133,439	6,764	30	5,068	75	5,202	1,548	91,271	671	2,625	20,117	68
Augsburg College	40	0	0	0	0	0	0	0	0	40	0	0
Bemidji State University	9	0	0	0	0	0	0	9	0	0	0	0
Carleton College	61	0	0	0	0	0	0	0	0	0	61	0
College of St Scholastica	85	0	0	0	0	0	0	0	0	0	85	0
College of St Thomas	20	0	0	0	0	0	0	0	0	0	20	0
Concordia Col Moorhead	93	0	0	0	0	0	0	0	0	0	93	0
Gustavus Adolphus College	8	0	0	0	0	0	0	0	0	0	8	0
Inver Mills Cmty College	269	0	0	0	0	0	0	0	0	0	269	0
Macalester College	503	0	0	0	0	0	0	0	0	0	503	0
Mankato State University	229	0	0	0	0	0	0	177	0	0	52	0
Metro State Univ	935	0	0	0	0	0	935	0	0	0	0	0
Moorhead State University	192	0	0	0	0	0	0	192	0	0	0	0
Southwest State Univ	65	0	0	0	0	0	0	0	0	0	65	0
St Cloud State University	67	0	0	0	0	0	0	67	0	0	0	0
St Mary's College	52	0	0	0	0	0	52	0	0	0	0	0
St Olaf College	168	0	0	0	0	0	0	0	0	0	168	0
St U Sys of Minn-Sys Off	1,916	0	0	0	75	0	0	1,841	0	0	0	0
University of Minnesota	128,727	6,764	30	5,068	0	5,202	561	88,985	671	2,585	18,793	68
Mississippi, total	36,227	11,357	1,036	4,002	628	4,251	0	8,536	1,866	1,338	3,085	128
Alcorn State University	1,447	1,421	0	26	0	0	0	0	0	0	0	0
Jackson State University	3,204	0	25	602	0	1,381	0	125	193	470	408	0
Meridian Junior College	25	0	0	0	0	0	0	0	0	0	25	0
Miss Valley State Univ	606	606	0	0	0	0	0	0	0	0	0	0
Miss-Ala Sea Grant Cnsrtm	1,011	0	1,011	0	0	0	0	0	0	0	0	0
Mississippi State Univ	13,541	7,558	0	427	628	2,750	0	312	335	818	585	128
Rust College	52	0	0	0	0	0	0	52	0	0	0	0
Univ of Sthrn Mississippi	2,325	342	0	794	0	0	0	25	0	16	1,148	0
University of Mississippi	14,016	1,430	0	2,153	0	120	0	8,022	1,338	34	919	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Missouri, total	150,269	7,838	158	2,782	0	3,077	287	116,891	2,294	3,382	11,529	2,031
Central Missouri St Univ	36	0	0	0	0	0	0	0	0	0	36	0
Drury College	12	0	0	0	0	0	0	0	0	0	12	0
Kirksville Col Osteo Med	224	0	0	0	0	0	0	224	0	0	0	0
Lincoln University (MO)	1,674	1,654	0	0	0	0	0	0	20	0	0	0
Missouri Southern St Col	4	0	0	0	0	0	0	0	4	0	0	0
Northeast Missouri St U	65	65	0	0	0	0	0	0	0	0	0	0
Southeast Missouri St U	424	0	0	0	0	0	0	0	0	0	424	0
Southwest Missouri St U	83	0	0	0	0	0	0	31	0	0	52	0
St Louis University	11,590	0	0	201	0	0	0	10,301	184	55	739	110
Univ of Missouri Columbia	23,042	5,787	0	483	0	802	212	11,409	299	223	1,909	1,918
Univ of Missouri Kan City	3,641	0	0	278	0	127	0	2,607	0	0	626	3
Univ of Missouri Rolla	3,480	0	57	85	0	502	0	0	1,298	276	1,262	0
Univ of Missouri St Louis	2,063	0	0	176	0	0	0	468	0	39	1,380	0
Univ of Missouri Sys Off	957	182	101	0	0	161	0	24	489	0	0	0
Washington University	102,974	150	0	1,559	0	1,485	75	91,827	0	2,789	5,089	0
Montana, total	10,414	2,739	46	259	0	44	737	2,217	740	272	3,034	326
Eastern Montana College	18	0	0	0	0	0	0	0	2	0	16	0
Mont Col Minrl Sci & Tech	138	0	0	0	0	0	0	0	138	0	0	0
Montana State University	7,166	2,324	0	259	0	44	523	1,316	181	126	2,067	326
Montana U Sys-System Off	46	0	46	0	0	0	0	0	0	0	0	0
University of Montana	3,046	415	0	0	0	0	214	901	419	146	951	0
Nebraska, total	27,462	5,390	310	1,334	0	412	0	13,968	180	691	2,612	2,565
Chadron State College	62	0	0	0	0	0	0	0	0	0	62	0
Creighton University	2,403	0	0	0	0	0	0	2,403	0	0	0	0
Doane College	32	0	0	0	0	0	0	32	0	0	0	0
Nebraska Wesleyan Univ	44	0	0	0	0	0	0	0	0	0	44	0
Peru State College	59	0	0	0	0	0	0	31	0	0	28	0
U of Neb Med Ctr at Omaha	9,001	0	0	0	0	0	0	8,995	0	0	6	0
U Neb Ctrl Admin Sys Off	171	171	0	0	0	0	0	0	0	0	0	0
Univ of Nebraska at Omaha	269	0	0	173	0	0	0	96	0	0	0	0
Univ of Nebraska-Lincoln	15,402	5,219	310	1,161	0	412	0	2,411	180	691	2,453	2,565
Wayne State College	19	0	0	0	0	0	0	0	0	0	19	0
Nevada, total	14,113	1,429	1,386	128	0	123	2,495	3,644	1,647	402	2,831	28
Clark County Cmty College	3	0	0	0	0	0	0	0	0	0	0	3
Desert Research Institute	1,636	0	706	0	0	25	71	0	0	90	744	0
U of Nev Sys Adm Sys Off	1,303	0	680	0	0	0	0	0	0	0	623	0
Univ of Nevada - Reno	7,998	1,429	0	128	0	98	159	3,644	1,164	227	1,124	25
Univ of Nevada Las Vegas	3,173	0	0	0	0	0	2,265	0	483	85	340	0
New Hampshire, total	37,007	1,815	199	2,436	149	977	475	20,106	230	5,060	5,560	0
Dartmouth College	24,065	306	0	1,753	0	557	162	18,542	10	349	2,386	0
Keene State College	100	0	0	0	0	0	0	0	0	0	100	0
New Hampshire Tech Inst	149	0	0	0	149	0	0	0	0	0	0	0
Univ of New Hampshire	12,472	1,509	199	683	0	420	313	1,343	220	4,711	3,074	0
Univ Sys of N Hamp Sys Of	221	0	0	0	0	0	0	221	0	0	0	0
New Jersey, total	120,772	4,180	102	14,421	1,337	6,366	2,987	57,291	667	3,882	29,054	485
Essex County College	13	0	0	0	0	0	0	0	0	0	0	13
Fairleigh Dickinson Univ	40	0	0	0	0	0	0	0	40	0	0	0
Monmouth College (NJ)	45	0	0	0	0	0	0	0	0	0	45	0
N J Inst of Technology	2,970	0	0	225	0	0	2,080	0	111	0	478	76
Princeton University	47,037	0	30	9,169	0	5,311	265	12,245	360	3,500	16,157	0
Rider College	129	0	0	0	0	0	0	109	0	0	20	0
Rutgers the St Univ of NJ	36,241	3,965	72	2,838	1,337	637	283	14,961	156	169	11,427	396
Seton Hall University	72	0	0	0	0	72	0	0	0	0	0	0
Stevens Institute of Tech	1,856	0	0	1,275	0	161	0	0	0	50	370	0
Univ of Med & Dent of N J	32,369	215	0	914	0	185	359	29,976	0	163	557	0
New Mexico, total	74,134	2,574	0	29,578	605	4,099	0	9,275	696	21,208	6,099	0
N Mex Inst Mining & Tech	4,840	0	0	1,061	0	2,320	0	0	297	356	806	0
New Mexico Highlands Univ	72	0	0	0	0	0	0	0	0	0	72	0
New Mexico State Univ	44,210	2,534	0	18,001	0	1,136	0	757	394	19,410	1,978	0
Nrthrn N Mex Cmty Col	5	0	0	0	0	0	0	0	5	0	0	0
San Juan College	10	0	0	0	0	0	0	0	0	10	0	0
Univ of Albuquerque	162	0	0	0	0	0	0	0	0	162	0	0
University of New Mexico	24,835	40	0	10,516	605	643	0	8,518	0	1,270	3,243	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, total	843,497	10,399	2,133	65,415	6,316	44,324	6,527	551,594	1,453	17,910	127,480	9,946
Adelphi University	336	0	0	0	0	0	0	295	0	0	41	0
Albany Medical College	6,239	0	0	0	0	0	0	6,183	0	0	56	0
Alfred University	465	0	0	0	0	0	0	0	0	0	465	0
Bank Street Col of Ed	1,008	0	0	0	1,000	0	0	0	0	0	8	0
Bard College	30	0	0	0	0	0	0	0	0	0	30	0
Barnard College	614	0	0	70	0	0	0	454	0	0	90	0
Clarkson University	3,860	0	0	841	0	368	0	93	0	1,357	1,201	0
Colgate University	241	0	0	0	0	0	0	0	0	0	241	0
College of New Rochelle	396	0	0	0	0	0	0	25	0	0	371	0
Columbia U Teachers Col	1,646	0	0	0	887	0	0	349	0	0	410	0
Columbia Univ Main Div	150,263	0	0	11,464	123	6,373	49	99,506	908	3,872	25,807	2,161
Cornell University	139,954	9,449	0	15,151	0	4,169	835	65,826	346	5,120	38,602	456
CUNY Bernard Baruch Col	491	265	0	0	0	0	0	117	0	0	109	0
CUNY Boro of Man Cmty Col	14	0	0	0	0	0	0	0	0	0	0	14
CUNY Brooklyn College	1,520	0	0	0	0	0	0	510	0	80	930	0
CUNY Central Sys Off	1,499	0	0	0	0	250	0	0	0	120	629	500
CUNY City College	11,540	0	0	2,038	0	1,212	0	3,688	0	19	4,583	0
CUNY Col Staten Island	373	0	0	152	0	40	0	152	0	0	29	0
CUNY Grad Sch & Univ Ctr	2,105	0	0	0	0	0	0	1,829	0	0	276	0
CUNY Hunter College	4,360	0	0	0	0	65	0	3,507	0	31	757	0
CUNY Jhn Jay Col Crim Jus	218	0	0	0	0	0	0	155	0	0	63	0
CUNY Lehman College	380	0	0	0	0	0	0	124	0	0	256	0
CUNY NY City Tech Col	80	0	0	0	0	0	0	0	0	0	80	0
CUNY Queens College	1,343	0	0	0	0	136	0	949	0	0	258	0
CUNY York College	446	0	0	0	0	0	0	124	0	0	322	0
Fordham University	1,826	0	0	0	0	0	0	1,732	0	15	79	0
Hamilton College	266	0	0	0	0	0	0	76	0	0	190	0
Hofstra University	223	0	0	30	0	0	0	116	0	77	0	0
Iona College	55	0	0	0	0	0	0	0	0	0	55	0
Ithaca College	156	0	0	0	0	0	0	0	0	0	156	0
Long Island University	43	0	0	0	0	0	0	0	0	0	43	0
Manhattan College	360	0	0	0	0	0	207	0	0	67	86	0
Mt Sinai Sch of Medicine	40,873	0	0	0	291	256	144	39,572	0	312	298	0
N Y Col of Podiatric Med	33	0	0	0	0	0	0	33	0	0	0	0
Nazareth Col of Rochester	103	0	0	0	0	0	0	25	0	0	78	0
New Sch for Soc Research	311	0	0	0	0	0	0	311	0	0	0	0
New York Inst Technology	24	0	0	0	0	0	0	22	0	0	0	2
New York Medical College	9,793	0	0	0	0	73	0	9,550	0	10	160	0
New York University	77,761	0	0	4,184	101	4,408	497	58,865	0	557	5,324	3,825
NY St Ceramics-Alfred U	5	0	0	5	0	0	0	0	0	0	0	0
Pace University	200	0	0	0	0	0	0	182	0	0	18	0
Polytechnic University	4,742	0	0	2,988	0	186	0	149	0	242	1,177	0
Rensselaer Polytech Inst	19,950	125	75	6,306	0	2,570	61	1,541	0	2,555	6,440	277
Rochester Inst Technology	1,635	0	0	0	1,482	0	0	102	0	0	51	0
Rockefeller University	35,586	0	0	0	0	1,245	357	33,003	0	0	981	0
St John Fisher College	74	0	0	0	0	74	0	0	0	0	0	0
St John's University (NY)	676	0	0	0	0	0	0	672	0	0	4	0
Syracuse University	21,415	0	0	8,751	458	852	215	4,962	125	189	3,419	2,444
SUNY - Hlth Sci Brooklyn	14,428	0	0	0	0	0	0	13,776	0	0	652	0
SUNY - Hlth Sci Syracuse	10,358	0	0	0	69	0	0	9,974	0	0	315	0
SUNY at Albany	19,609	0	0	4,036	696	742	3,303	6,358	0	477	3,997	0
SUNY at Binghamton	2,844	0	0	44	0	85	0	997	0	116	1,338	264
SUNY at Buffalo All Cmps	33,934	0	0	1,909	0	543	0	25,888	0	1,237	4,357	0
SUNY at Stony Brook	41,251	0	0	356	0	3,429	0	23,880	54	1,182	12,350	0
SUNY Ag & Tech Cobleskill	69	0	0	0	0	0	0	0	0	0	69	0
SUNY Broome Cmty Col	113	0	0	0	0	113	0	0	0	0	0	0
SUNY Col at Old Westbury	50	0	0	0	0	0	0	0	0	0	48	2
SUNY Col of Env Sci & For	879	370	0	0	0	0	0	0	20	0	489	0
SUNY College at Purchase	359	0	0	0	0	0	0	100	0	44	215	0
SUNY College Brockport	128	0	0	0	0	0	40	0	0	0	88	0
SUNY College Buffalo	575	0	0	0	0	0	0	172	0	0	403	0
SUNY College Cortland	98	0	0	0	0	0	0	0	0	0	98	0
SUNY College Geneseo	130	0	0	0	0	0	0	106	0	0	24	0
SUNY College New Paltz	130	0	0	0	0	0	0	130	0	0	0	0
SUNY College Oneonta	8	0	0	0	0	0	0	0	0	0	8	0
SUNY College Oswego	12	0	0	0	0	0	0	0	0	0	12	0
SUNY College Plattsburgh	518	0	0	0	0	56	0	437	0	0	25	0
SUNY College Utica Rome	66	0	0	0	0	0	0	66	0	0	0	0
SUNY Fashion Inst Tech	195	0	0	194	0	0	0	0	0	0	0	1
SUNY St Col of Optometry	244	0	0	0	0	0	0	244	0	0	0	0
SUNY System Office	3,461	190	2,058	0	0	0	800	0	0	0	413	0
Un of NY Regents Col Deg	255	0	0	0	0	0	19	0	0	0	236	0
Union College (NY)	630	0	0	0	0	0	0	73	0	36	521	0
University of Rochester	98,550	0	0	6,720	0	17,079	0	67,445	0	195	7,111	0
Vassar College	519	0	0	0	0	0	0	375	0	0	144	0
Yeshiva University	68,553	0	0	176	1,209	0	0	66,774	0	0	394	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
North Carolina, total	287,838	11,539	1,597	19,267	1,430	6,398	7,533	198,890	449	7,108	29,036	4,591
Appalachian St University	254	0	0	0	0	0	114	125	0	0	15	0
Bennett College (NC)	45	0	0	0	0	0	0	42	0	0	0	3
Campbell University	88	5	0	0	0	0	0	83	0	0	0	0
Davidson College	12	0	0	0	0	0	0	0	0	0	12	0
Duke University	108,611	276	0	6,031	0	3,514	2,081	86,376	0	691	9,642	0
East Carolina University	3,255	0	0	554	0	0	0	2,518	0	99	84	0
Guilford Technical Inst	12	0	0	0	0	0	0	0	0	0	12	0
Meredith College	38	0	0	0	0	0	0	0	0	0	38	0
N C State Univ at Raleigh	43,466	8,667	1,340	7,384	500	1,671	2,771	4,459	391	3,647	8,895	3,741
North Carolina Cntrl Univ	402	0	0	266	0	0	0	96	0	0	40	0
NC Ag & Tech State Univ	6,617	2,283	0	1,406	0	209	0	108	58	1,617	875	61
St Augustines College	50	0	0	0	0	0	0	0	0	0	50	0
Univ of N C at Asheville	61	3	0	0	0	0	0	0	0	0	58	0
Univ of N C at Charlotte	1,454	0	0	0	0	87	0	65	0	141	1,161	0
Univ of N C at Greensboro	949	0	52	21	0	0	0	425	0	0	451	0
Univ of N C at Wilmington	118	0	0	0	0	0	0	0	0	0	118	0
Univ of N C Sys Off	1,781	65	0	0	930	0	0	0	0	0	0	786
Univ of NC at Chapel Hill	93,244	240	205	3,605	0	877	2,567	78,092	0	614	7,044	0
Wake Forest University	27,314	0	0	0	0	40	0	26,434	0	299	541	0
Winston-Salem State Univ	67	0	0	0	0	0	0	67	0	0	0	0
North Dakota, total	11,715	5,404	0	303	0	1,950	553	1,900	527	111	467	500
North Dakota State Univ	5,755	4,220	0	303	0	0	0	322	150	0	260	500
University of N Dakota	5,960	1,184	0	0	0	1,950	553	1,578	377	111	207	0
Ohio, total	238,131	8,045	984	35,312	500	5,267	2,391	129,434	402	19,392	26,002	10,402
Bowling Green State Univ	853	0	14	56	0	42	0	413	0	0	328	0
Case Western Reserve Univ	69,589	0	56	3,602	500	510	0	53,014	0	6,340	4,887	680
Central State University	227	0	0	214	0	13	0	0	0	0	0	0
Cleveland State Univ	3,520	2	0	0	0	0	0	892	0	2,626	0	0
College of Wooster	173	0	0	0	0	0	0	25	0	0	148	0
Denison University	43	0	0	0	0	43	0	0	0	0	0	0
Hocking Technical College	150	0	0	0	0	0	0	150	0	0	0	0
John Carroll University	142	0	0	0	0	0	0	0	0	100	42	0
Kent State University	3,464	0	0	299	0	106	0	605	0	185	2,269	0
Kenyon College	128	0	0	0	0	0	0	96	0	0	32	0
Med Col of Ohio at Toledo	5,984	0	0	0	0	0	378	5,493	0	0	113	0
Miami University (Ohio)	1,110	25	0	0	0	12	77	100	0	108	788	0
Notre Dame College (OH)	86	0	0	0	0	0	0	0	0	0	86	0
NE Ohio Univs Med School	788	0	0	48	0	0	0	740	0	0	0	0
Oberlin College	263	0	0	0	0	0	0	46	0	25	192	0
Ohio State University	72,702	7,805	654	4,942	0	3,410	420	30,021	402	5,324	12,304	7,420
Ohio University	4,942	0	0	634	0	376	0	994	0	268	431	2,239
Ohio Wesleyan University	205	0	0	95	0	0	0	0	0	0	110	0
University of Akron	3,032	10	0	83	0	120	73	560	0	1,220	966	0
University of Cincinnati	40,996	203	260	2,639	0	516	870	32,427	0	1,879	202	0
University of Dayton	21,576	0	0	21,042	0	0	200	0	0	58	213	63
University of Toledo	2,337	0	0	0	0	119	110	678	0	1,020	410	0
Wittenberg University	96	0	0	0	0	0	0	0	0	96	0	0
Wright State University	5,717	0	0	1,658	0	0	263	3,180	0	143	473	0
Youngstown St University	8	0	0	0	0	0	0	0	0	0	8	0
Oklahoma, total	30,968	6,452	70	4,296	0	2,645	509	10,466	548	397	5,532	53
East Central University	244	0	0	0	0	0	244	0	0	0	0	0
Langston University	1,146	1,130	0	0	0	16	0	0	0	0	0	0
Murray State College	7	7	0	0	0	0	0	0	0	0	0	0
Northeastern State Univ	25	0	0	0	0	0	0	25	0	0	0	0
Okla Col Osteo Med & Surg	104	0	0	0	0	0	0	104	0	0	0	0
Oklahoma State University	13,264	5,315	0	3,484	0	348	100	693	410	75	2,839	0
Oral Roberts University	90	0	0	0	0	0	90	0	0	0	0	0
Southeastern Okla St Univ	39	0	0	39	0	0	0	0	0	0	0	0
Tulsa Junior College	240	0	0	0	0	0	0	240	0	0	0	0
University of Oklahoma	14,829	0	70	773	0	2,205	75	9,189	138	322	2,004	53
University of Tulsa	980	0	0	0	0	76	0	215	0	0	689	0
Oregon, total	90,171	8,711	2,546	8,827	1,336	4,582	1,392	38,727	1,561	3,133	18,314	1,042
Eastern Oregon St College	412	0	0	0	412	0	0	0	0	0	0	0
Oregon Grad Inst Sci Tech	5,394	472	0	422	0	1,997	0	615	175	663	882	168
Oregon Hlth Sciences Univ	23,231	0	0	336	0	0	0	22,648	0	70	177	0
Oregon Institute of Tech	200	0	0	0	0	200	0	0	0	0	0	0
Oregon State University	42,562	8,229	2,482	6,225	0	1,271	1,392	7,291	1,325	1,988	11,487	872
Portland State University	2,525	8	27	50	700	201	0	409	61	145	924	0
Reed College	433	0	0	0	0	10	0	177	0	0	246	0
Southwestern Oreg Cmty Col	2	0	0	0	0	0	0	0	0	0	0	2
University of Oregon Main	15,032	2	37	1,794	0	903	0	7,587	0	267	4,442	0
University of Portland	156	0	0	0	0	0	0	0	0	0	156	0
Western Oregon State Coll	224	0	0	0	224	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Pennsylvania, total	484,619	9,859	840	97,075	4,407	19,220	2,653	265,243	6,377	14,033	62,936	1,976
Allegheny College	25	0	0	0	0	0	0	0	0	0	25	0
Bloomsburg Univ of Penn	75	0	0	0	0	0	0	26	0	0	49	0
Bryn Mawr College	500	0	0	0	60	0	0	366	0	0	74	0
Bucknell University	211	0	0	0	0	0	0	67	0	0	144	0
Cabrini College	52	0	0	0	0	0	0	0	0	0	52	0
Carnegie-Mellon Univ	57,605	0	27	26,666	0	3,765	340	6,952	446	3,543	15,866	0
Cmty Col of Philadelphia	1	0	0	0	0	0	0	0	0	0	0	1
Drexel University	6,436	100	50	1,620	0	410	390	1,052	30	651	2,133	0
Duquesne University	78	0	0	0	0	0	0	78	0	0	0	0
Edinboro Univ of Penn	85	0	0	0	0	0	0	85	0	0	156	0
Franklin & Marshall Col	394	0	0	0	0	0	0	238	0	0	13	0
Gannon University	13	0	0	0	0	0	0	0	0	0	0	0
Hahnemann University	8,468	0	0	380	0	0	0	8,088	0	0	309	0
Haverford College	309	0	0	0	0	0	0	0	0	0	12	0
Indiana Univ of Penn	12	0	0	0	0	0	0	0	0	0	181	0
Juniata College	181	0	0	0	0	0	0	0	0	0	64	0
Kutztown Univ of Penn	101	0	0	0	0	0	37	0	0	0	149	0
Lafayette College	149	0	0	0	0	0	0	0	0	0	149	0
Lehigh University	10,524	0	247	2,638	143	1,633	106	750	0	260	4,747	0
Lincoln University (PA)	648	0	0	375	0	0	0	142	0	50	81	0
Messiah College	33	0	0	0	0	0	0	0	0	0	33	0
Millersville Univ of Penn	52	0	0	0	0	0	0	0	0	0	52	0
Moravian College	24	0	0	0	0	0	0	0	0	0	24	0
Pennsylvania Col Optomet	785	0	0	0	565	0	0	220	0	0	0	0
Pennsylvania State Univ	119,435	8,170	353	51,102	0	4,417	644	25,943	5,670	8,208	13,385	1,543
Phila Col of Pharm & Sci	411	0	0	50	0	0	0	361	0	0	0	0
Seton Hill College	24	0	0	0	0	0	0	0	0	0	24	0
St Joseph's University	137	0	0	0	0	0	0	112	0	0	25	0
Swarthmore College	677	0	0	0	0	0	0	0	0	22	655	0
Temple University	22,929	230	0	675	259	610	23	19,821	0	45	1,266	0
The Medical Col of Penna	9,697	0	0	311	0	0	0	9,330	0	0	56	0
Thomas Jefferson Univ	19,583	0	0	1,002	508	0	0	17,833	0	0	240	0
Univ of Pennsylvania	132,805	1,259	0	8,054	330	6,383	0	100,388	0	459	15,500	432
University of Pittsburgh	91,094	100	163	4,202	2,542	2,002	1,113	72,941	0	652	7,379	0
Villanova University	934	0	0	0	0	0	0	338	231	143	222	0
West Chester Univ of Penn	112	0	0	0	0	0	0	112	0	0	0	0
Widener University	20	0	0	0	0	0	0	0	0	0	20	0
Rhode Island, total	49,525	1,173	1,339	10,142	0	2,640	774	16,252	554	1,352	14,918	381
Brown University	33,000	0	98	7,272	0	2,640	0	13,383	216	1,319	8,072	0
Rhode Island College	45	0	0	0	0	0	0	20	0	0	25	0
Univ of Rhode Island	16,480	1,173	1,241	2,870	0	0	774	2,849	338	33	6,821	381
South Carolina, total	38,927	5,590	123	4,705	114	1,513	138	19,562	266	730	6,186	0
Benedict College	25	0	0	0	0	0	0	25	0	0	0	0
Citadel Military Col S C	15	0	0	0	0	0	0	0	0	0	15	0
Claflin College	30	0	0	0	0	30	0	0	0	0	0	0
Clemson University	11,396	4,395	33	3,990	0	601	52	411	172	672	1,070	0
College of Charleston	179	0	0	0	0	0	0	121	0	0	58	0
Erskine College	48	0	0	0	0	0	0	0	0	0	48	0
Francis Marion College	26	0	0	0	0	0	0	0	0	0	26	0
Furman University	196	0	0	0	0	0	0	66	0	0	130	0
Med Univ of So Carolina	11,523	0	0	0	114	0	0	11,233	0	0	176	0
South Carolina St College	1,593	1,195	0	0	0	136	0	0	0	0	262	0
SC Sea Grant Consortium	90	0	90	0	0	0	0	0	0	0	0	0
Univ of South Carolina	13,731	0	0	715	0	683	86	7,706	94	58	4,389	0
Voorhees College	63	0	0	0	0	63	0	0	0	0	0	0
Winthrop College	12	0	0	0	0	0	0	0	0	0	12	0
South Dakota, total	6,861	2,827	0	0	0	115	0	927	521	426	2,045	0
Augustana College	349	0	0	0	0	0	0	0	3	0	346	0
Oglala Lakota College	257	0	0	0	0	0	0	257	0	0	0	0
S Dak Sch Mines & Tech	2,185	0	0	0	0	115	0	0	138	354	1,578	0
Sinte Gleska College	77	0	0	0	0	0	0	77	0	0	0	0
South Dakota State Univ	3,061	2,827	0	0	0	0	0	0	209	25	0	0
Univ of S Dak Springfield	157	0	0	0	0	0	0	0	157	0	0	0
Univ of South Dakota	775	0	0	0	0	0	0	593	14	47	121	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Tennessee, total	115,369	6,682	0	4,370	1,621	5,304	758	80,489	841	4,032	10,912	360
East Tennessee State Univ	1,891	0	0	0	0	0	138	1,072	0	0	681	0
Fisk University	469	0	0	0	0	0	190	0	0	129	0	150
Meharry Medical College	5,923	0	0	503	0	234	145	3,174	0	0	1,867	0
Memphis State University	2,556	0	0	164	79	0	75	1,146	175	58	649	210
Middle Tennessee St Univ	280	0	0	0	0	48	0	232	0	0	0	0
Southern Col of Optometry	43	0	0	0	0	0	0	43	0	0	0	0
Tenn Technological Univ	985	0	0	196	0	179	0	77	516	0	17	0
Tennessee State Univ	3,031	1,660	0	0	0	14	0	1,203	0	154	0	0
U Tenn - Memphis	16,064	0	0	269	0	0	0	15,616	0	0	179	0
U Tennessee Chattanooga	200	0	0	0	0	0	0	0	0	83	117	0
U Tennessee Knoxville	19,229	4,964	0	1,848	0	3,975	0	3,930	150	974	3,388	0
Univ of Tenn System Off	560	13	0	0	0	312	210	25	0	0	0	0
Univ Tennessee at Martin	160	0	0	0	0	0	0	0	0	0	160	0
Vanderbilt University	63,978	45	0	1,390	1,542	542	0	53,971	0	2,634	3,854	0
Texas, total	439,820	19,235	2,073	58,694	1,129	25,853	4,079	255,092	951	25,251	45,251	2,212
Abilene Christian Univ	80	0	0	0	0	80	0	0	0	0	0	0
Amarillo College	1	0	0	0	0	0	0	0	0	0	0	1
Baylor Col of Dentistry	759	0	0	0	0	0	0	759	0	0	0	0
Baylor Col of Medicine	69,499	7,040	0	1,047	952	341	0	59,452	0	667	0	0
Baylor University	1,271	0	0	0	0	0	0	796	0	69	406	0
Houston Community College	59	0	0	0	0	0	0	0	0	0	59	0
Jarvis Christian College	59	0	0	0	0	0	0	59	0	0	0	0
Lamar University	1,589	0	0	0	0	0	1,500	0	0	69	20	0
LeTourneau University	30	0	0	0	0	0	0	0	0	30	0	0
Midwestern State Univ	32	0	0	0	0	0	0	0	0	0	32	0
Paul Quinn College	25	0	0	0	0	0	0	25	0	0	0	0
Prairie View A & M Univ	2,839	2,219	0	0	0	281	0	0	0	339	0	0
Rice University	14,300	147	30	2,059	0	1,562	816	2,148	0	1,248	6,290	0
Southern Methodist Univ	7,331	0	0	5,609	0	0	0	778	0	203	741	0
Southwest Texas St Univ	575	0	0	0	0	0	168	119	0	50	238	0
St Edward's University	25	0	0	0	0	0	0	25	0	0	0	0
Stephen F Austin St Univ	219	219	0	0	0	0	0	0	0	0	0	0
Sul Ross State University	14	0	0	0	0	0	0	0	0	14	0	0
Texas A & I University	389	96	0	60	0	100	0	0	0	83	50	0
Texas A & M Univ Sys Off	1,394	81	0	0	0	224	0	86	0	246	0	757
Texas A & M University	44,928	8,735	2,043	6,478	0	4,210	143	7,617	393	3,739	11,405	165
Texas Christian Univ	2,206	0	0	105	0	0	0	1,883	0	0	218	0
Texas Col of Osteo Med	2,273	0	0	0	0	0	0	2,213	0	0	60	0
Texas Southern Univ	1,612	0	0	0	0	90	0	1,359	0	139	24	0
Texas Tech University	7,182	403	0	2,369	0	167	514	2,470	36	34	1,189	0
Texas Woman's University	496	0	0	0	0	0	0	496	0	0	0	0
Trinity University	754	0	0	0	0	0	0	385	0	0	369	0
U of Houston Downtown Col	1,006	0	0	0	0	1,001	0	0	0	0	5	0
U of Houston Sys Off	2	0	0	0	0	2	0	0	0	0	0	0
U of Houston Univ Park	14,390	30	0	3,315	0	677	97	4,075	0	3,161	3,035	0
U of Texas at San Antonio	829	0	0	172	0	0	0	74	0	158	425	0
U Tex Hlth Sci Ctr Houstn	28,591	0	0	0	0	73	186	27,687	0	563	82	0
U Tex Hlth Sci Ctr S Anto	31,534	0	0	102	0	0	0	30,711	0	44	677	0
U Tex Med Brnch Galveston	23,096	0	0	669	0	0	185	21,757	0	396	89	0
U Tex Sw Med Ctr - Dallas	48,591	0	0	190	0	0	0	46,789	0	1,080	532	0
U TX - Pan American Univ	77	0	0	77	0	0	0	0	0	0	0	0
U TX MD Anderson Cncr Ctr	27,772	0	0	0	0	0	0	27,514	0	0	258	0
Univ of North Texas	1,960	0	0	656	0	0	0	510	0	0	794	0
Univ of Tex at Arlington	1,478	0	0	579	0	0	120	202	0	90	487	0
Univ of Texas at Austin	84,619	260	0	33,073	0	16,367	350	12,585	458	6,294	13,943	1,289
Univ of Texas at Dallas	5,281	0	0	1,468	107	1	0	1,092	0	1,284	1,329	0
Univ of Texas at El Paso	3,180	0	0	666	0	64	0	0	64	57	2,329	0
Univ of Texas System Off	2,044	5	0	0	0	613	0	1,426	0	0	0	0
Univ Houstn Clr Lake City	5,374	0	0	0	70	0	0	0	0	5,194	110	0
Wiley College	55	0	0	0	0	0	0	0	0	0	55	0
Utah, total	108,117	3,178	0	36,683	577	5,419	941	45,120	2,056	1,620	11,862	661
Brigham Young University	3,537	150	0	307	0	170	0	314	99	0	2,497	0
University of Utah	61,361	180	0	4,426	87	4,188	110	42,840	1,056	796	7,393	285
Utah State University	43,219	2,848	0	31,950	490	1,061	831	1,966	901	824	1,972	376
Vermont, total	29,630	3,061	0	173	1,260	314	238	22,753	150	0	1,681	0
Middlebury College	279	0	0	0	66	0	0	0	0	0	213	0
Univ of VT & St Agric Col	29,351	3,061	0	173	1,194	314	238	22,753	150	0	1,468	0

See explanatory material at end of table.

(Continued)

Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 11 of 12)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Virginia, total	155,454	6,920	1,465	15,700	3,022	10,506	1,709	76,621	2,466	15,857	16,795	4,393
College of William & Mary	4,043	0	528	265	0	244	104	26	0	1,489	1,387	0
Eastern VA Medical School	5,987	0	0	0	0	0	0	2,406	0	111	42	3,428
George Mason University	2,248	0	182	1,128	0	0	0	267	0	0	443	228
Hampden-Sydney College	61	0	0	0	0	61	0	0	0	0	0	0
Hampton University	3,464	0	0	1,324	0	40	0	0	0	1,202	893	5
James Madison University	32	0	0	0	0	0	0	0	0	0	32	0
Longwood College	30	0	0	0	0	0	0	0	0	30	0	0
Mary Washington College	18	0	0	0	0	0	0	0	0	18	0	0
Mountain Empire Cmty Col	24	0	0	0	0	0	0	0	0	0	24	0
Norfolk State University	816	0	0	396	0	57	0	100	0	110	153	0
Old Dominion University	7,447	0	227	548	0	358	0	77	88	5,088	1,061	0
Sweet Briar College	22	0	0	0	0	0	0	0	0	0	22	0
University of Richmond	174	0	0	0	0	33	0	56	0	47	38	0
University of Virginia	51,990	28	478	4,271	1,226	2,182	286	33,360	9	3,199	6,743	208
Virginia Commonwlth Univ	42,684	0	0	1,405	1,796	187	180	37,789	0	477	850	0
Virginia State University	1,776	1,495	0	0	0	75	0	0	0	206	0	0
VA Polytech Inst & St U	34,585	5,397	50	6,363	0	7,269	1,139	2,540	2,369	3,880	5,054	524
Washington & Lee Univ	53	0	0	0	0	0	0	0	0	0	53	0
Washington, total	224,465	8,562	1,903	28,778	1,545	7,854	1,438	136,499	1,126	4,377	31,400	983
Central Washington Univ	92	0	0	92	0	0	0	0	0	0	0	0
Eastern Washington Univ	183	0	0	0	0	0	0	34	0	149	0	0
Evergreen State College	130	0	0	0	0	0	0	0	0	0	130	0
Gonzaga University	121	0	0	0	0	0	0	0	0	0	121	0
Heritage College	124	0	0	0	0	0	0	124	0	0	0	0
Seattle University	11	0	0	0	0	0	0	0	0	0	11	0
University of Puget Sound	456	0	0	0	0	0	0	0	122	0	334	0
University of Washington	203,691	2,207	1,903	27,559	1,545	6,491	930	130,242	854	3,941	27,036	983
Wash St CC Dist 17 Sys of	20	20	0	0	0	0	0	0	0	0	0	0
Washington State Univ	19,172	6,328	0	1,127	0	1,363	479	6,024	150	287	3,414	0
Western Washington Univ	346	7	0	0	0	0	29	75	0	0	235	0
Whitman College	64	0	0	0	0	0	0	0	0	0	64	0
Whitworth College	55	0	0	0	0	0	0	0	0	0	55	0
West Virginia, total	15,092	4,122	200	732	297	1,241	0	5,456	2,186	231	627	0
Beckley College	170	0	0	0	0	170	0	0	0	0	0	0
Fairmont State College	5	5	0	0	0	0	0	0	0	0	0	0
Marshall University	1,633	0	200	28	0	0	0	1,405	0	0	0	0
Potomac St Col of WVA Un	8	0	0	0	0	0	0	0	0	0	8	0
Salem College	35	0	0	0	0	0	0	35	0	0	0	0
West Virginia State Col	75	0	0	0	0	0	0	0	50	25	0	0
West Virginia University	13,166	4,117	0	704	297	1,071	0	4,016	2,136	206	619	0
Wisconsin, total	186,093	8,415	2,522	9,932	769	15,143	1,289	106,621	497	9,825	29,927	1,153
Beloit College	50	0	0	0	0	0	0	0	0	24	26	0
Inst of Paper Sci & Tech	962	0	0	0	0	962	0	0	0	0	0	0
Lawrence University	64	0	0	0	0	0	0	0	0	0	64	0
Marquette University	1,862	256	0	0	0	75	0	731	0	57	743	0
Medical College of Wis	19,585	345	0	0	0	0	0	18,694	0	193	262	91
St Norbert College	14	0	0	0	0	0	0	0	0	14	0	0
Univ of Wis-Center System	45	0	0	0	0	0	0	0	45	0	0	0
Univ of Wis-Eau Claire	257	0	0	0	0	0	0	241	0	0	16	0
Univ of Wis-Green Bay	190	0	0	0	0	0	40	0	150	0	0	0
Univ of Wis-La Crosse	283	0	0	0	0	0	0	0	0	0	283	0
Univ of Wis-Madison	150,474	7,320	125	8,902	0	13,446	574	83,984	272	9,218	25,656	977
Univ of Wis-Milwaukee	6,283	350	0	941	0	180	274	2,474	0	319	1,660	85
Univ of Wis-Oshkosh	111	0	0	0	0	0	0	0	0	0	111	0
Univ of Wis-Parkside	456	0	0	89	0	0	0	38	0	0	329	0
Univ of Wis-River Falls	76	0	0	0	0	0	0	0	0	0	76	0
Univ of Wis-Stevens Point	115	0	0	0	0	0	0	99	12	0	4	0
Univ of Wis-Stout	1,040	0	0	0	769	0	0	271	0	0	0	0
Univ of Wis-Superior	549	0	0	0	0	0	401	89	0	0	59	0
Univ of Wis-Whitewater	480	0	0	0	0	480	0	0	0	0	0	0
Univ of Wisconsin Sys Off	3,197	144	2,397	0	0	0	0	0	18	0	638	0
Wyoming, total	10,349	1,743	19	1,466	63	605	135	1,187	674	188	4,269	0
Northwest College	37	0	0	0	0	0	0	0	0	0	37	0
University of Wyoming	10,312	1,743	19	1,466	63	605	135	1,187	674	188	4,232	0
Guam, total	1,193	944	0	0	0	0	0	75	150	0	24	0
University of Guam	1,193	944	0	0	0	0	0	75	150	0	24	0
Puerto Rico, total	16,561	4,212	490	533	0	125	0	7,224	150	203	3,624	0
Fundacion Educ Mendez Sys	47	0	0	0	0	0	0	0	0	0	47	0
Inter Am U Pr-San German	27	0	0	0	0	0	0	0	0	0	27	0
Ponce School of Medicine	547	0	0	0	0	0	0	547	0	0	0	0
U Ctrl Del Caribe Esc Med	459	0	0	0	0	0	0	459	0	0	0	0
U P R - Regional Col Admn	280	0	0	0	0	0	0	0	0	0	280	0
Univ of the Sacred Heart	39	0	0	0	0	0	0	0	0	0	39	0
Univ of P R-Mayaguez	5,592	4,212	26	155	0	50	0	0	0	203	946	0
Univ of P R-Med Sci Cmpus	5,918	0	0	75	0	75	0	5,724	0	0	44	0
Univ of P R-Rio Piedras	947	0	0	303	0	0	0	494	150	0	0	0
Univ of P R, System Off	2,705	0	464	0	0	0	0	0	0	0	2,241	0
American Samoa, total	290	290	0	0	0	0	0	0	0	0	0	0
American Samoa Cmty Col	290	290	0	0	0	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

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Table B-21. -- Federal obligations to universities and colleges for research and development by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 12 of 12)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Virgin Islands, total	1,052	902	0	0	0	0	0	0	150	0	0	0
U of the Virgin Islands	1,052	902	0	0	0	0	0	0	150	0	0	0
Trust Territory Pac Isl, total	777	777	0	0	0	0	0	0	0	0	0	0
Cmty Col of Micronesia	290	290	0	0	0	0	0	0	0	0	0	0
No Marianas College	487	487	0	0	0	0	0	0	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-22. -- Federal obligations to universities and colleges for R&D plant 1/
by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 3)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
United States, total	237,010	31,098	1,232	57,883	1,346	115,525	0	22,017	0	1,232	6,677	0
Alabama, total	1,098	0	0	0	101	0	0	997	0	0	0	0
Univ Alabama Birmingham	997	0	0	0	0	0	0	997	0	0	0	0
Walker State Tech C	101	0	0	0	101	0	0	0	0	0	0	0
Arizona, total	10,123	0	0	0	0	10,000	0	0	0	123	0	0
Arizona State University	10,000	0	0	0	0	10,000	0	0	0	0	0	0
University of Arizona	123	0	0	0	0	0	0	0	0	123	0	0
Arkansas, total	194	194	0	0	0	0	0	0	0	0	0	0
Univ of Ark Fayetteville	194	194	0	0	0	0	0	0	0	0	0	0
California, total	25,181	0	0	0	0	21,136	0	4,045	0	0	0	0
California Inst of Tech	679	0	0	0	0	679	0	0	0	0	0	0
Loma Linda University	11,100	0	0	0	0	11,100	0	0	0	0	0	0
Stanford University	9,233	0	0	0	0	7,591	0	1,642	0	0	0	0
Univ of Cal Davis	938	0	0	0	0	326	0	612	0	0	0	0
Univ of Cal Irvine	105	0	0	0	0	105	0	0	0	0	0	0
Univ of Cal Los Angeles	232	0	0	0	0	232	0	0	0	0	0	0
Univ of Cal San Diego	1,167	0	0	0	0	170	0	997	0	0	0	0
Univ of Cal San Francisco	944	0	0	0	0	150	0	794	0	0	0	0
Univ of Cal Santa Barbara	247	0	0	0	0	247	0	0	0	0	0	0
Univ of Cal Santa Cruz	536	0	0	0	0	536	0	0	0	0	0	0
Colorado, total	210	0	0	0	0	210	0	0	0	0	0	0
University of Colorado	210	0	0	0	0	210	0	0	0	0	0	0
Connecticut, total	2,579	0	0	0	1,245	457	0	877	0	0	0	0
Fairfield University	25	0	0	0	0	25	0	0	0	0	0	0
University of Connecticut	1,245	0	0	0	1,245	0	0	0	0	0	0	0
Yale University	1,309	0	0	0	0	432	0	877	0	0	0	0
Florida, total	1,003	582	0	0	0	15	0	406	0	0	0	0
Florida State University	15	0	0	0	0	15	0	0	0	0	0	0
University of Florida	582	582	0	0	0	0	0	0	0	0	0	0
University of Miami	406	0	0	0	0	0	0	406	0	0	0	0
Georgia, total	2,086	453	0	0	0	525	0	1,108	0	0	0	0
Emory University	888	0	0	0	0	0	0	888	0	0	0	0
University of Georgia	1,198	453	0	0	0	525	0	220	0	0	0	0
Hawaii, total	14,079	49	0	14,000	0	30	0	0	0	0	0	0
Univ of Hawaii-Manoa	14,079	49	0	14,000	0	30	0	0	0	0	0	0
Idaho, total	3,787	0	787	3,000	0	0	0	0	0	0	0	0
University of Idaho	3,787	0	787	3,000	0	0	0	0	0	0	0	0
Illinois, total	1,900	242	0	0	0	946	0	400	0	312	0	0
Northwestern University	902	0	0	0	0	190	0	400	0	312	0	0
Univ of Ill Urbana	998	242	0	0	0	756	0	0	0	0	0	0
Indiana, total	988	0	0	0	0	585	0	403	0	0	0	0
Indiana University	578	0	0	0	0	175	0	403	0	0	0	0
University of Notre Dame	410	0	0	0	0	410	0	0	0	0	0	0
Iowa, total	1,930	1,930	0	0	0	0	0	0	0	0	0	0
Iowa St U of Sci & Tech	1,930	1,930	0	0	0	0	0	0	0	0	0	0
Kansas, total	1,358	1,358	0	0	0	0	0	0	0	0	0	0
Kans St U - Ag & App Sci	1,358	1,358	0	0	0	0	0	0	0	0	0	0
Louisiana, total	13,603	0	0	0	0	13,000	0	603	0	0	0	0
Louisiana State Univ	13,000	0	0	0	0	13,000	0	0	0	0	0	0
Tulane University	603	0	0	0	0	0	0	603	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-22. -- Federal obligations to universities and colleges for R&D plant 1/
by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 2 of 3)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Maryland, total	5,331	0	0	3,000	0	300	0	2,000	0	0	31	0
Johns Hopkins University	2,031	0	0	0	0	0	0	2,000	0	0	31	0
Loyola College	3,000	0	0	3,000	0	0	0	0	0	0	0	0
Univ of MD College Park	300	0	0	0	0	300	0	0	0	0	0	0
Massachusetts, total	17,338	0	0	0	0	13,978	0	1,564	0	0	1,796	0
Boston University	584	0	0	0	0	584	0	0	0	0	0	0
Harvard University	1,614	0	0	0	0	50	0	1,564	0	0	0	0
Mass Inst of Technology	13,270	0	0	0	0	13,270	0	0	0	0	0	0
Northeastern University	74	0	0	0	0	74	0	0	0	0	0	0
Woods Hole Ocngrphic Inst	1,796	0	0	0	0	0	0	0	0	0	1,796	0
Michigan, total	2,621	1,212	0	0	0	677	0	732	0	0	0	0
Michigan State University	1,465	1,212	0	0	0	253	0	0	0	0	0	0
University of Michigan	1,156	0	0	0	0	424	0	732	0	0	0	0
Minnesota, total	27,383	0	0	27,383	0	0	0	0	0	0	0	0
University of Minnesota	27,383	0	0	27,383	0	0	0	0	0	0	0	0
Mississippi, total	2,813	2,813	0	0	0	0	0	0	0	0	0	0
Univ of Sthrn Mississippi	2,425	2,425	0	0	0	0	0	0	0	0	0	0
University of Mississippi	388	388	0	0	0	0	0	0	0	0	0	0
Missouri, total	354	0	0	0	0	0	0	354	0	0	0	0
Washington University	354	0	0	0	0	0	0	354	0	0	0	0
Montana, total	49	49	0	0	0	0	0	0	0	0	0	0
Montana State University	49	49	0	0	0	0	0	0	0	0	0	0
Nebraska, total	242	242	0	0	0	0	0	0	0	0	0	0
Univ of Nebraska-Lincoln	242	242	0	0	0	0	0	0	0	0	0	0
New Jersey, total	1,357	243	0	0	0	125	0	989	0	0	0	0
Princeton University	125	0	0	0	0	125	0	0	0	0	0	0
Rutgers the St Univ of NJ	243	243	0	0	0	0	0	0	0	0	0	0
Univ of Med & Dent of N J	989	0	0	0	0	0	0	989	0	0	0	0
New York, total	10,628	0	0	0	0	2,076	0	3,702	0	0	4,850	0
Columbia Univ Main Div	3,764	0	0	0	0	400	0	564	0	0	2,800	0
Cornell University	2,877	0	0	0	0	0	0	827	0	0	2,050	0
Mt Sinai Sch of Medicine	684	0	0	0	0	0	0	684	0	0	0	0
SUNY at Albany	55	0	0	0	0	55	0	0	0	0	0	0
SUNY at Stony Brook	1,483	0	0	0	0	1,483	0	0	0	0	0	0
University of Rochester	921	0	0	0	0	138	0	783	0	0	0	0
Yeshiva University	844	0	0	0	0	0	0	844	0	0	0	0
North Carolina, total	1,090	0	0	0	0	310	0	780	0	0	0	0
Duke University	1,090	0	0	0	0	310	0	780	0	0	0	0
North Dakota, total	4,593	4,593	0	0	0	0	0	0	0	0	0	0
North Dakota State Univ	519	519	0	0	0	0	0	0	0	0	0	0
University of N Dakota	4,074	4,074	0	0	0	0	0	0	0	0	0	0
Ohio, total	30	0	0	0	0	30	0	0	0	0	0	0
Ohio State University	30	0	0	0	0	30	0	0	0	0	0	0
Oklahoma, total	3,500	0	0	0	0	3,500	0	0	0	0	0	0
University of Oklahoma	3,500	0	0	0	0	3,500	0	0	0	0	0	0
Oregon, total	29,345	7,275	0	0	0	22,070	0	0	0	0	0	0
Oregon Hlth Sciences Univ	22,000	0	0	0	0	22,000	0	0	0	0	0	0
Oregon State University	7,275	7,275	0	0	0	0	0	0	0	0	0	0
University of Oregon Main	70	0	0	0	0	70	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-22. -- Federal obligations to universities and colleges for R&D plant 1/
by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 3 of 3)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Pennsylvania, total	7,280	0	0	0	0	6,312	0	351	0	617	0	0
Carnegie-Mellon Univ	285	0	0	0	0	285	0	0	0	0	0	0
Drexel University	5,550	0	0	0	0	5,550	0	0	0	0	0	0
Pennsylvania State Univ	351	0	0	0	0	0	0	351	0	0	0	0
Univ of Pennsylvania	477	0	0	0	0	477	0	0	0	0	0	0
University of Pittsburgh	617	0	0	0	0	0	0	0	0	617	0	0
Rhode Island, total	310	0	0	0	0	0	0	310	0	0	0	0
Brown University	310	0	0	0	0	0	0	310	0	0	0	0
South Carolina, total	11,500	0	0	3,500	0	8,000	0	0	0	0	0	0
Med Univ of So Carolina	8,000	0	0	0	0	8,000	0	0	0	0	0	0
Trident Technical College	3,500	0	0	3,500	0	0	0	0	0	0	0	0
South Dakota, total	97	97	0	0	0	0	0	0	0	0	0	0
South Dakota State Univ	97	97	0	0	0	0	0	0	0	0	0	0
Tennessee, total	118	0	0	0	0	118	0	0	0	0	0	0
U Tennessee Knoxville	118	0	0	0	0	118	0	0	0	0	0	0
Texas, total	3,109	1,212	0	0	0	700	0	1,197	0	0	0	0
Prairie View A & M Univ	60	0	0	0	0	60	0	0	0	0	0	0
Texas A & M University	1,852	1,212	0	0	0	640	0	0	0	0	0	0
U Tex Med Brnch Galveston	488	0	0	0	0	0	0	488	0	0	0	0
U Tex Sw Med Ctr - Dallas	277	0	0	0	0	0	0	277	0	0	0	0
U TX MD Anderson Cncr Ctr	432	0	0	0	0	0	0	432	0	0	0	0
Utah, total	7,125	0	0	7,000	0	125	0	0	0	0	0	0
University of Utah	7,125	0	0	7,000	0	125	0	0	0	0	0	0
Vermont, total	1,406	1,406	0	0	0	0	0	0	0	0	0	0
Univ of VT & St Agric Col	1,406	1,406	0	0	0	0	0	0	0	0	0	0
Virginia, total	209	146	13	0	0	50	0	0	0	0	0	0
University of Virginia	63	0	13	0	0	50	0	0	0	0	0	0
VA Polytech Inst & St U	146	146	0	0	0	0	0	0	0	0	0	0
Washington, total	6,074	5,122	0	0	0	320	0	632	0	0	0	0
Gonzaga University	1,819	1,819	0	0	0	0	0	0	0	0	0	0
University of Washington	952	0	0	0	0	320	0	632	0	0	0	0
Washington State Univ	3,303	3,303	0	0	0	0	0	0	0	0	0	0
West Virginia, total	11,263	1,831	432	0	0	9,000	0	0	0	0	0	0
Alderson Broaddus College	432	0	432	0	0	0	0	0	0	0	0	0
West Virginia University	10,831	1,831	0	0	0	9,000	0	0	0	0	0	0
Wisconsin, total	1,726	49	0	0	0	930	0	567	0	180	0	0
Univ of Wis-Madison	1,726	49	0	0	0	930	0	567	0	180	0	0

1/ See Technical Notes, scope of survey.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Doctorate-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Arizona State University	17,719	0	20	2,878	111	1,302	99	3,868	0	1,749	7,521	171
Auburn University	15,213	5,038	42	3,365	0	1,058	439	294	799	2,001	990	1,187
Ball State University	47	0	0	0	0	0	0	0	0	0	47	0
Bowling Green State Univ	853	0	14	56	0	42	0	413	0	0	328	0
CUNY Central Sys Off	1,499	0	0	0	0	250	0	0	0	120	629	500
CUNY City College	11,540	0	0	2,038	0	1,212	0	3,688	0	19	4,583	0
CUNY Grad Sch & Univ Ctr	2,105	0	0	0	0	0	0	1,829	0	0	276	0
CUNY Hunter College	4,360	0	0	0	0	65	0	3,507	0	31	757	0
CUNY Lehman College	380	0	0	0	0	0	0	124	0	0	256	0
Central Michigan Univ	21	0	0	0	0	0	0	0	0	0	21	0
Clemson University	11,396	4,395	33	3,990	0	601	52	411	172	672	1,070	0
Cleveland State Univ	3,520	2	0	0	0	0	0	892	0	2,626	0	0
College of William & Mary	4,043	0	528	265	0	244	104	26	0	1,489	1,387	0
Colorado School of Mines	3,600	0	0	730	0	1,178	352	0	541	0	799	0
Colorado State University	36,120	6,232	0	4,684	121	1,149	325	13,604	533	1,299	7,913	260
Desert Research Institute	1,636	0	706	0	0	25	71	0	0	90	744	0
East Carolina University	3,255	0	0	55	0	0	0	2,518	0	99	84	0
East Tennessee State Univ	1,891	0	0	0	0	0	138	1,072	0	0	681	0
Florida A & M University	3,340	1,079	0	537	0	75	0	1,122	0	108	419	0
Florida Atlantic Univ	1,912	0	20	520	0	70	0	361	10	299	632	0
Florida International U	359	0	0	0	0	0	0	24	0	0	335	0
Florida State University	28,021	0	335	1,422	0	13,745	491	3,881	0	1,238	6,368	541
George Mason University	2,248	0	182	1,128	0	0	0	267	0	0	443	228
Georgia Institute of Tech	60,949	15	402	43,610	0	1,264	440	3,751	288	5,404	5,690	85
Georgia State University	3,424	0	0	154	89	48	0	2,127	4	145	857	0
Idaho State University	458	0	0	0	0	51	0	88	35	0	284	0
Illinois State University	1,219	60	0	0	0	209	0	513	0	0	437	0
Indiana State University	441	0	0	0	0	0	0	298	0	63	80	0
Indiana Univ of Penn	12	0	0	0	0	0	0	0	0	0	12	0
Indiana University	55,449	32	0	725	42	2,712	312	34,528	100	471	16,527	0
Iowa St U of Sci & Tech	25,987	11,410	2,628	993	0	777	259	4,337	540	606	3,828	609
Kans St U - Ag & App Sci	14,448	4,837	0	508	0	1,964	2,120	2,115	150	386	2,104	264
Kent State University	3,464	0	0	299	0	106	0	605	0	185	2,269	0
LA St Univ System Office	1,595	0	1,241	0	0	0	0	109	150	0	95	0
Lamar University	1,589	0	0	0	0	0	1,500	0	0	69	20	0
Louisiana State Univ	39,088	4,252	383	2,385	0	2,837	948	21,959	484	685	5,155	0
Louisiana Tech University	562	151	0	25	0	170	0	0	0	24	192	0
Marshall University	1,633	0	200	28	0	0	0	1,405	0	0	0	0
Med Col of Ohio at Toledo	5,984	0	0	0	0	0	378	5,493	0	0	113	0
Med Univ of So Carolina	11,523	0	0	0	114	0	0	11,233	0	0	176	0
Medical Col of Georgia	8,552	0	0	407	0	0	0	8,145	0	0	0	0
Memphis State University	2,556	0	0	164	79	0	75	1,146	175	58	649	210
Miami University (Ohio)	1,110	25	0	0	0	12	77	100	0	108	788	0
Michigan State University	54,382	10,295	85	1,620	2,007	3,524	417	15,275	200	499	18,073	2,387
Michigan Tech University	4,725	403	45	1,842	0	521	77	82	410	134	834	377
Miss-Ala Sea Grant Cnsrtm	1,011	0	1,011	0	0	0	0	0	0	0	0	0
Mississippi State Univ	13,541	7,558	0	427	628	2,750	0	312	335	818	585	128
Montana State University	7,166	2,324	0	259	0	44	523	1,316	181	126	2,067	326
Montana U Sys-System Off	46	0	46	0	0	0	0	0	0	0	0	0
N C State Univ at Raleigh	43,466	8,667	1,340	7,384	500	1,671	2,771	4,459	391	3,647	8,895	3,741
N J Inst of Technology	2,970	0	0	225	0	0	2,080	0	111	0	478	76
N Mex Inst Mining & Tech	4,840	0	0	1,061	0	2,320	0	0	297	356	806	0
NE Ohio Univs Med School	788	0	0	48	0	0	0	740	0	0	0	0
New Mexico State Univ	44,210	2,534	0	18,001	0	1,136	0	757	394	19,410	1,978	0
North Dakota State Univ	5,755	4,220	0	303	0	0	0	322	150	0	260	500
Northeast Louisiana Univ	218	0	0	0	0	0	80	0	0	72	66	0
Northern Arizona Univ	2,278	144	0	34	580	0	0	359	69	30	1,062	0
Northern Illinois Univ	2,929	0	0	124	69	330	0	1,261	0	0	1,145	0
Oakland University	2,536	0	0	0	0	0	0	1,968	0	0	568	0
Ohio State University	72,702	7,805	654	4,942	0	3,410	420	30,021	402	5,324	12,304	7,420
Ohio University	4,942	0	0	634	0	376	0	994	0	268	431	2,239
Okla Col Osteo Med & Surg	104	0	0	0	0	0	0	104	0	0	0	0
Oklahoma State University	13,264	5,315	0	3,484	0	348	100	693	410	75	2,839	0
Old Dominion University	7,447	0	227	548	0	358	0	77	88	5,088	1,061	0
Oregon Hlth Sciences Univ	23,231	0	0	336	0	0	0	22,648	0	70	177	0
Oregon State University	42,562	8,229	2,482	6,225	0	1,271	1,392	7,291	1,325	1,988	11,487	872
Pennsylvania State Univ	119,435	8,170	353	51,102	0	4,417	644	25,943	5,670	8,208	13,385	1,543
Portland State University	2,525	8	27	50	700	201	0	409	61	145	924	0
Purdue University	62,751	7,738	0	7,306	146	5,017	545	18,401	384	3,127	16,275	3,812
Rutgers the St Univ of NJ	36,241	3,965	72	2,838	1,337	637	283	14,961	156	169	11,427	396
S Dak Sch Mines & Tech	2,185	0	0	0	0	115	0	0	138	354	1,578	0
SC Sea Grant Consortium	90	0	90	0	0	0	0	0	0	0	0	0
SUNY - Hlth Sci Brooklyn	14,428	0	0	0	0	0	0	13,776	0	0	652	0
SUNY - Hlth Sci Syracuse	10,358	0	0	0	69	0	0	9,974	0	0	315	0
SUNY at Albany	19,609	0	0	4,036	696	742	3,303	6,358	0	477	3,997	0
SUNY at Binghamton	2,844	0	0	44	0	85	0	997	0	116	1,338	264
SUNY at Buffalo All Cmps	33,934	0	0	1,909	0	543	0	25,888	0	1,237	4,357	0
SUNY at Stony Brook	41,251	0	0	356	0	3,429	0	23,880	54	1,182	12,350	0
SUNY Col of Env Sci & For	879	370	0	0	0	0	0	0	20	0	489	0
SUNY St Col of Optometry	244	0	0	0	0	0	0	244	0	0	0	0
SUNY System Office	3,461	190	2,058	0	0	0	800	0	0	0	413	0

See explanatory material at end of table.

(Continued)

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

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Doctorate-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
San Diego State Univ	11,115	0	47	2,771	0	1,510	0	4,435	100	249	2,003	0
South Dakota State Univ	3,061	2,827	0	0	0	0	0	0	209	25	0	0
Southern Ill U-Carbondale	5,405	432	0	925	0	69	0	2,802	338	157	682	0
Southrn Ill Univ Sys Off	192	67	0	0	125	0	0	0	0	0	0	0
State Univ Sys of Fla Off	19,938	0	0	19,800	0	138	0	0	0	0	0	0
Stephen F Austin St Univ	219	219	0	0	0	0	0	0	0	0	0	0
Temple University	22,929	230	0	675	259	610	23	19,821	0	45	1,266	0
Tenn Technological Univ	985	0	0	196		179	0	77	516	0	17	0
Texas A & M Univ Sys Off	1,394	81	0	0	0	224	0	86	0	246	0	757
Texas A & M University	44,928	8,735	2,043	6,478	0	4,210	143	7,617	393	3,739	11,405	165
Texas Tech University	7,182	403	0	2,369	0	167	514	2,470	36	34	1,189	0
Texas Woman's University	496	0	0	0	0	0	0	496	0	0	0	0
The University of Alabama	3,500	0	0	430	0	377	0	1,120	275	271	1,027	0
U of Arkansas Med Sci Cam	6,385	0	0	0	0	0	0	6,220	0	0	165	0
U of Cal Sys Wide Prgms	1,521	0	5	0	0	1,344	0	0	172	0	0	0
U of Houston Sys Off	2	0	0	0	0	2	0	0	0	0	0	0
U of Houston Univ Park	14,390	30	0	3,315	0	677	97	4,075	0	3,161	3,035	0
U of MD Baltimore County	3,369	0	0	82	0	35	0	2,221	0	148	653	230
U of MD Center for Ees	168	0	0	72	0	96	0	0	0	0	0	0
U of MD Eastern Shore	1,023	865	75	0	0	0	0	0	5	0	78	0
U of Neb Med Ctr at Omaha	9,001	0	0	0	0	0	0	8,995	0	0	6	0
U of Nev Sys Adm Sys Off	1,303	0	680	0	0	0	0	0	0	0	623	0
U Neb Ctrl Admin Sys Off	171	171	0	0	0	0	0	0	0	0	0	0
U Tenn - Memphis	16,064	0	0	269	0	0	0	15,616	0	0	179	0
U Tennessee Knoxville	19,229	4,964	0	1,848	0	3,975	0	3,930	150	974	3,388	0
U Tex Hlth Sci Ctr Houstn	28,591	0	0	0	0	73	186	27,687	0	563	82	0
U Tex Hlth Sci Ctr S Anto	31,534	0	0	102	0	0	0	30,711	0	44	677	0
U Tex Med Brnch Galveston	23,096	0	0	669	0	0	185	21,757	0	396	89	0
U Tex Sw Med Ctr - Dallas	48,591	0	0	190	0	0	0	46,789	0	1,080	532	0
U TX MD Anderson Cncr Ctr	27,772	0	0	0	0	0	0	27,514	0	0	258	0
Univ Alabama Birmingham	70,702	100	15	1,279	897	0	0	63,293	0	2,659	2,459	0
Univ Alabama Huntsville	18,225	0	0	6,355	0	0	0	0	0	11,351	519	0
Univ of Alabama Sys Off	105	15	90	0	0	0	0	0	0	0	0	0
Univ of Alaska Fairbanks	12,948	60	1,077	533	0	454	0	567	374	3,365	6,518	0
Univ of Alaska System Off	1,460	1,204	6	0	0	250	0	0	0	0	0	0
Univ of Ark Fayetteville	10,467	6,101	0	60	1,347	1,177	374	425	14	119	850	0
Univ of Cal Berkeley	131,070	8,872	734	12,701	6,923	4,206	400	38,361	446	24,219	32,522	1,686
Univ of Cal Davis	60,100	3,068	111	1,803	858	5,211	280	38,980	362	1,430	6,037	1,960
Univ of Cal Irvine	47,303	296	57	4,386	0	3,729	320	29,734	0	1,249	7,532	0
Univ of Cal Los Angeles	170,839	160	53	10,709	1,336	17,667	540	115,049	75	6,084	19,078	88
Univ of Cal Riverside	11,958	1,161	0	526	317	1,505	364	4,707	0	302	3,068	8
Univ of Cal San Diego	166,601	470	2,897	29,101	0	3,229	0	87,243	291	11,946	31,424	0
Univ of Cal San Francisco	159,027	0	0	2,037	0	3,306	175	150,222	0	1,283	1,943	61
Univ of Cal Santa Barbara	37,444	180	122	13,247	271	3,166	406	4,082	385	1,126	13,405	1,054
Univ of Cal Santa Cruz	10,253	0	0	1,241	0	1,482	0	2,750	0	524	4,256	0
Univ of Central Florida	8,988	0	0	8,073	0	0	75	0	0	435	405	0
Univ of Hawaii Sys Off	10,565	789	9,001	0	0	0	0	0	31	0	234	510
Univ of Hawaii-Manoa	36,693	3,483	0	2,666	0	1,659	0	9,136	0	5,529	12,156	2,064
Univ of Ill Chicago	43,271	65	50	4,942	623	762	318	30,986	0	258	5,267	0
Univ of Ill Urbana	100,062	7,104	117	18,694	0	10,958	1,646	16,509	431	3,506	38,527	2,570
Univ of Illinois Sys Off	4,234	62	1,343	0	1,850	184	0	0	0	0	795	0
Univ of MD Balt Prof Sch	34,648	0	0	2,520	0	0	10	31,461	0	0	657	0
Univ of MD College Park	60,252	3,893	872	11,738	1,795	6,510	3,430	5,205	0	9,537	16,167	1,105
Univ of Maine Orono	5,677	2,496	0	142	0	0	716	590	0	279	1,454	0
Univ of Maine System Off	540	347	0	0	0	0	0	0	193	0	0	0
Univ of Maryland Sys Off	2,258	19	2,239	0	0	0	0	0	0	0	0	0
Univ of Mass System Off	563	188	263	0	0	0	0	0	112	0	0	0
Univ of Med & Dent of N J	32,369	215	0	914	0	185	359	29,976	0	163	557	0
Univ of Missouri Columbia	23,042	5,787	0	483	0	802	212	11,409	299	223	1,909	1,918
Univ of Missouri Kan City	3,641	0	0	278	0	127	0	2,607	0	0	626	3
Univ of Missouri Rolla	3,480	0	57	85	0	502	0	0	1,298	276	1,262	0
Univ of Missouri St Louis	2,063	0	0	176	0	0	0	468	0	39	1,380	0
Univ of Missouri Sys Off	957	182	101	0	0	161	0	24	489	0	0	0
Univ of N C at Greensboro	949	0	52	21	0	0	0	425	0	0	451	0
Univ of N C Sys Off	1,781	65	0	0	930	0	0	0	0	0	0	786
Univ of NC at Chapel Hill	93,244	240	205	3,605	0	877	2,567	78,092	0	614	7,044	0
Univ of Nebraska at Omaha	269	0	0	173	0	0	0	96	0	0	0	0
Univ of Nebraska-Lincoln	15,402	5,219	310	1,161	0	412	0	2,411	180	691	2,453	2,565
Univ of Nevada - Reno	7,998	1,429	0	128	0	98	159	3,644	1,164	227	1,124	25
Univ of New Hampshire	12,472	1,509	199	683	0	420	313	1,343	220	4,711	3,074	0
Univ of North Texas	1,960	0	0	656	0	0	0	510	0	0	794	0
Univ of Northern Colorado	631	0	0	0	0	0	0	67	0	0	564	0
Univ of Northern Iowa	408	0	0	0	0	0	0	0	0	0	408	0
Univ of P R-Mayaguez	5,592	4,212	26	155	0	50	0	0	0	203	946	0
Univ of P R-Med Sci Cmpus	5,918	0	0	75	0	75	0	5,724	0	0	44	0
Univ of P R-Rio Piedras	947	0	0	303	0	0	0	494	150	0	0	0
Univ of P R, System Off	2,705	0	464	0	0	0	0	0	0	0	2,241	0
Univ of Rhode Island	16,480	1,173	1,241	2,870	0	0	774	2,849	338	33	6,821	381
Univ of South Alabama	7,382	0	0	120	0	0	0	6,882	0	0	380	0

See explanatory material at end of table.

(Continued)

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

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Doctorate-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Univ of South Carolina	13,731	0	0	715	0	683	86	7,706	94	58	4,389	0
Univ of South Dakota	775	0	0	0	0	0	0	593	14	47	121	0
Univ of South Florida	12,060	980	210	764	600	150	185	6,912	0	574	1,685	0
Univ of Southwestern LA	815	0	0	0	0	0	0	429	0	0	386	0
Univ of Sthrn Mississippi	2,325	342	0	794	0	0	0	25	0	16	1,148	0
Univ of Tenn System Off	560	13	0	0	0	312	210	25	0	0	0	0
Univ of Tex at Arlington	1,478	0	0	579	0	0	120	202	0	90	487	0
Univ of Texas at Austin	84,619	260	0	33,073	0	16,367	350	12,585	458	6,294	13,943	1,289
Univ of Texas at Dallas	5,281	0	0	1,468	107	1	0	1,092	0	1,284	1,329	0
Univ of Texas at El Paso	3,180	0	0	666	0	64	0	0	64	57	2,329	0
Univ of Texas System Off	2,044	5	0	0	0	613	0	1,426	0	0	0	0
Univ of VT & St Agric Col	29,351	3,061	0	173	1,194	314	238	22,753	150	0	1,468	0
Univ of Wis-Madison	150,474	7,320	125	8,902	0	13,446	574	83,984	272	9,218	25,656	977
Univ of Wis-Milwaukee	6,283	350	0	941	0	180	274	2,474	0	319	1,660	85
Univ of Wisconsin Sys Off	3,197	144	2,397	0	0	0	0	0	18	0	638	0
Univ Sys of N Hamp Sys Of	221	0	0	0	0	0	0	221	0	0	0	0
Univ System of Georgia	153	0	0	0	0	100	0	0	53	0	0	0
Univ & St Col of Ariz S O	409	0	0	0	0	0	0	0	409	0	0	0
University of Akron	3,032	10	0	83	0	120	73	560	0	1,220	966	0
University of Arizona	82,913	3,829	142	8,475	895	1,741	573	37,565	1,281	15,729	11,623	1,060
University of Cincinnati	40,996	203	260	2,639	0	516	870	32,427	0	1,879	2,202	0
University of Colorado	101,345	0	2,108	5,679	198	3,928	494	56,156	667	12,919	19,143	53
University of Connecticut	39,761	1,537	3,346	3,079	0	477	586	26,342	150	172	4,072	0
University of Delaware	15,846	1,441	1,221	2,836	960	585	253	2,927	150	583	4,890	0
University of Florida	58,696	7,077	1,945	6,939	83	3,074	599	28,099	769	1,415	7,593	1,103
University of Georgia	45,627	7,034	1,065	632	0	15,941	1,163	11,002	443	623	6,449	1,275
University of Idaho	9,809	3,397	0	112	0	220	176	851	2,069	1,692	1,184	108
University of Iowa	76,059	100	126	2,637	298	431	598	56,148	0	12,410	3,311	0
University of Kansas	23,380	0	49	1,139	2,457	382	61	15,564	48	877	2,793	10
University of Kentucky	27,349	6,336	30	900	95	1,935	210	14,481	470	178	2,664	50
University of Louisville	6,165	0	0	100	0	285	77	4,895	0	248	560	0
University of Lowell	2,397	0	0	962	0	110	0	877	0	40	388	20
University of Massachuset	67,183	2,900	66	11,894	254	1,530	323	36,356	206	1,186	12,466	0
University of Michigan	167,865	1,338	3,085	11,372	424	8,021	3,249	105,926	0	11,856	20,147	2,447
University of Minnesota	128,727	6,764	30	5,068	0	5,202	561	88,985	671	2,585	18,793	68
University of Mississippi	14,016	1,430	0	2,153	0	120	0	8,022	1,338	34	919	0
University of Montana	3,046	415	0	0	0	0	214	901	419	146	951	0
University of N Dakota	5,960	1,184	0	0	0	1,950	553	1,578	377	111	207	0
University of New Mexico	24,835	40	0	10,516	605	643	0	8,518	0	1,270	3,243	0
University of Oklahoma	14,829	0	70	773	0	2,205	75	9,189	138	322	2,004	53
University of Oregon Main	15,032	2	37	1,794	0	903	0	7,587	0	267	4,442	0
University of Pittsburgh	91,094	100	163	4,202	2,542	2,002	1,113	72,941	0	652	7,379	0
University of Toledo	2,337	0	0	0	0	119	110	678	0	1,020	410	0
University of Utah	61,361	180	0	4,426	87	4,188	110	42,840	1,056	796	7,393	285
University of Virginia	51,990	28	478	4,271	1,226	2,182	286	33,360	9	3,199	6,743	208
University of Washington	203,691	2,207	1,903	27,559	1,545	6,491	930	130,242	854	3,941	27,036	983
University of Wyoming	10,312	1,743	19	1,466	63	605	135	1,187	674	188	4,232	0
Utah State University	43,219	2,848	0	31,950	490	1,061	831	1,966	901	824	1,972	376
VA Polytech Inst & St U	34,585	5,397	50	6,363	0	7,269	1,139	2,540	2,369	3,880	5,054	524
Virginia Commonwlth Univ	42,684	0	0	1,405	1,796	187	180	37,789	0	477	850	0
Washington State Univ	19,172	6,328	0	1,127	0	1,363	479	6,024	150	287	3,414	0
Wayne State University	26,945	0	0	1,314	0	283	0	22,661	105	123	2,405	54
West Virginia University	13,166	4,117	0	704	297	1,071	0	4,016	2,136	206	619	0
Western Michigan Univ	436	0	0	96	49	78	0	0	0	88	125	0
Wichita State University	863	0	0	21	0	0	0	156	0	50	121	515
Wright State University	5,717	0	0	1,658	0	0	263	3,180	0	143	473	0

See explanatory material at end of table.

(Continued)

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

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Master's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Alabama A & M University	4,477	1,457	0	112	8	385	0	0	0	1,229	1,294	0
Alabama State University	74	0	0	0	0	0	0	0	0	0	74	0
Appalachian St University	254	0	0	0	0	0	114	125	0	0	15	0
Arkansas State University	107	0	0	0	0	0	0	0	0	107	0	0
Augusta College	10	0	0	0	0	0	0	0	0	0	10	0
Bemidji State University	9	0	0	0	0	0	0	9	0	0	0	0
Bloomsburg Univ of Penn	75	0	0	0	0	0	0	26	0	0	49	0
Bridgewater State College	215	0	0	0	0	0	0	0	0	0	215	0
CUNY Bernard Baruch Col	491	265	0	0	0	0	0	117	0	0	109	0
CUNY Brooklyn College	1,520	0	0	152	0	40	0	510	0	80	930	0
CUNY Col Staten Island	373	0	0	0	0	0	0	152	0	0	29	0
CUNY Hn Jay Col Crim Jus	218	0	0	0	0	136	0	155	0	0	63	0
CUNY Queens College	1,343	0	0	5	0	0	0	949	0	0	258	0
Cal Poly St U San Luis Ob	688	26	0	0	0	0	0	0	37	170	450	0
Cal St U - San Bernadino	109	0	0	0	0	0	0	0	0	0	109	0
Calif St Poly Univ Pomona	6	0	0	0	0	0	0	0	0	0	6	0
Calif St U Bakersfield	77	0	0	0	0	0	0	0	0	0	77	0
Calif St Univ & Col Sys O	155	0	0	0	0	0	70	0	0	0	85	0
Calif St Univ Fullerton	1,366	0	0	0	0	42	0	229	0	16	1,079	0
Calif St Univ Hayward	185	0	0	43	0	0	0	101	0	50	34	0
Calif St Univ Long Beach	1,629	0	0	43	0	89	0	713	0	149	635	0
Calif St Univ Los Angeles	2,575	0	0	41	0	6	0	1,322	0	0	1,204	0
Calif St Univ Northridge	615	0	0	0	0	57	0	173	0	52	292	0
Calif St Univ Sacramento	324	0	0	0	0	0	0	0	0	0	324	0
Calif State Univ Chico	8	0	0	0	0	0	0	0	0	0	8	0
Calif State Univ Fresno	175	0	0	0	50	0	0	100	0	75	0	0
Central Conn State Univ	50	0	0	0	0	0	0	0	0	0	0	0
Central Missouri St Univ	36	0	0	92	0	0	0	0	0	0	36	0
Central Washington Univ	92	0	0	0	0	62	0	0	0	0	0	0
Chicago State University	62	0	0	0	0	0	0	0	0	0	15	0
Citadel Military Col S C	15	0	0	0	0	0	0	121	0	0	58	0
College of Charleston	179	0	0	0	0	0	0	0	0	0	0	0
Delaware State University	487	487	0	0	0	0	244	0	0	0	0	0
East Central University	244	0	0	0	0	0	0	0	0	0	165	0
Eastern Illinois Univ	165	0	0	0	0	0	0	275	0	0	294	0
Eastern Michigan Univ	569	0	0	0	0	0	0	34	0	149	0	0
Eastern Washington Univ	183	0	0	0	0	0	0	85	0	0	0	0
Edinboro Univ of Penn	85	0	0	0	126	0	0	0	0	0	0	0
Fort Hays St Univ	126	0	0	0	0	50	0	41	0	0	46	10
Fort Valley State Univ	1,684	1,537	0	0	0	0	0	254	0	44	101	0
Georgia Southern College	399	0	0	191	0	115	0	150	0	0	136	0
Grambling State Univ	594	0	0	0	0	0	0	0	0	8	361	0
Grand Valley State Univ	369	0	0	0	0	0	0	0	1,218	95	117	0
Humboldt State University	1,587	157	0	602	0	1,381	0	125	193	470	408	0
Jackson State University	3,204	0	25	0	0	0	0	68	0	0	0	0
Jacksonville State Univ	68	0	0	0	0	0	0	0	0	0	32	0
James Madison University	32	0	0	0	0	0	0	0	0	0	100	0
Keene State College	100	0	0	0	0	0	37	0	0	0	64	0
Kutztown Univ of Penn	101	0	0	0	0	0	0	0	20	0	0	0
Lincoln University (MO)	1,674	1,654	0	0	0	0	0	177	0	0	52	0
Mankato State University	229	0	0	0	0	30	0	0	0	0	0	0
Mass State Col Sys Off	30	0	0	0	0	0	0	0	0	0	112	0
McNeese State University	112	0	0	0	0	48	0	232	0	0	0	0
Middle Tennessee St Univ	280	0	0	0	0	0	0	0	0	0	32	0
Midwestern State Univ	32	0	0	0	0	0	0	0	0	0	52	0
Millersville Univ of Penn	52	0	0	0	0	0	0	0	138	0	0	0
Mont Col Minrl Sci & Tech	138	0	0	0	0	0	0	192	0	0	0	0
Moorhead State University	192	0	0	0	0	0	0	0	0	61	568	18
Morgan State University	647	0	0	0	0	0	0	0	0	0	30	0
Murray State University	30	0	0	0	0	0	0	108	58	1,617	875	61
NC Ag & Tech State Univ	6,617	2,283	0	1,406	0	209	0	0	0	0	72	0
New Mexico Highlands Univ	72	0	0	0	0	0	0	96	0	0	40	0
North Carolina Cntrl Univ	402	0	0	266	0	0	0	0	0	0	0	0
Northeast Missouri St U	65	65	0	0	0	0	0	0	0	0	73	0
Northeastern Ill Univ	73	0	0	0	0	0	0	0	2	0	40	0
Northern Michigan Univ	42	0	0	0	0	0	0	0	0	0	272	0
Pittsburg State Univ	272	0	0	0	0	0	0	0	0	339	0	0
Prairie View A & M Univ	2,839	2,219	0	0	0	281	0	20	0	0	25	0
Rhode Island College	45	0	0	0	0	0	0	114	0	0	412	0
S Illinois U Edwardsville	526	0	0	0	0	0	40	0	0	0	88	0
SUNY College Brockport	128	0	0	0	0	0	0	172	0	0	403	0
SUNY College Buffalo	575	0	0	0	0	0	0	0	0	0	98	0
SUNY College Cortland	98	0	0	0	0	0	0	106	0	0	24	0
SUNY College Geneseo	130	0	0	0	0	0	0	130	0	0	0	0
SUNY College New Paltz	130	0	0	0	0	0	0	0	0	0	8	0
SUNY College Oneonta	8	0	0	0	0	0	0	0	0	0	12	0
SUNY College Oswego	12	0	0	0	0	0	0	437	0	0	25	0
SUNY College Plattsburgh	518	0	0	0	0	0	56	66	0	0	0	0
SUNY College Utica Rome	66	0	0	0	0	0	0	0	0	0	16	0
Salisbury State College	16	0	0	0	0	0	0	0	0	0	0	0
San Francisco State Univ	2,323	0	0	0	328	155	120	0	841	35	109	735

See explanatory material at end of table.

(Continued)

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Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Master's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
San Jose State University	5,190	0	30	799	0	0	0	329	0	2,518	1,514	0
Sonoma State University	435	0	0	0	156	0	0	0	0	12	267	0
Southeast Missouri St U	424	0	0	0	0	0	0	0	0	0	424	0
Southeastern Mass Univ	1,199	718	0	0	0	0	0	114	0	0	367	0
Southern Conn State Univ	65	0	0	0	0	0	0	51	0	0	14	0
Southern U & A&M College	1,991	1,098	0	101	0	14	0	171	0	286	321	0
Southwest Missouri St U	83	0	0	0	0	0	0	31	0	0	52	0
Southwest Texas St Univ	575	0	0	0	0	3	168	119	0	50	238	0
St Cloud State University	67	0	0	0	0	0	0	67	0	0	0	0
St U Sys of Minn-Sys Off	1,916	0	0	0	75	0	0	1,841	0	0	0	0
Sul Ross State University	14	0	0	0	0	0	0	0	0	14	0	0
Tennessee State Univ	3,031	1,660	0	0	0	14	0	1,203	0	154	0	0
Texas A & I University	389	96	0	60	0	100	0	0	0	83	50	0
Texas Southern Univ	1,612	0	0	0	0	90	0	1,359	0	139	24	0
Towson State University	29	0	0	0	0	0	0	0	0	0	29	0
U of Texas at San Antonio	829	0	0	172	0	0	0	74	0	158	425	0
U Tennessee Chattanooga	200	0	0	0	0	0	0	0	0	83	117	0
U TX - Pan American Univ	77	0	0	77	0	0	0	0	0	0	0	0
Univ Houstn Clr Lake City	5,374	0	0	0	70	0	0	0	0	5,194	110	0
Univ of Alaska Anchorage	553	0	126	0	62	0	0	154	132	0	79	0
Univ of Alaska Southeast	150	0	0	0	0	0	0	0	150	0	0	0
Univ of Ark Little Rock	1,216	0	0	354	0	0	0	340	150	30	342	0
Univ of N C at Charlotte	1,454	0	0	0	0	87	0	65	0	141	1,161	0
Univ of N C at Wilmington	118	0	0	0	0	0	0	0	0	0	118	0
Univ of Nevada Las Vegas	3,173	0	0	0	0	0	2,265	0	483	85	340	0
Univ of West Florida	200	0	0	53	0	0	49	0	0	0	98	0
Univ of Wis-Eau Claire	257	0	0	0	0	0	0	241	0	0	16	0
Univ of Wis-Green Bay	190	0	0	0	0	0	40	0	150	0	0	0
Univ of Wis-La Crosse	283	0	0	0	0	0	0	0	0	0	283	0
Univ of Wis-Oshkosh	111	0	0	0	0	0	0	0	0	0	111	0
Univ of Wis-River Falls	76	0	0	0	0	0	0	0	0	0	76	0
Univ of Wis-Stevens Point	115	0	0	0	0	0	0	99	12	0	4	0
Univ of Wis-Stout	1,040	0	0	0	769	0	0	271	0	0	0	0
Univ of Wis-Superior	549	0	0	0	0	0	401	89	0	0	59	0
Univ of Wis-Whitewater	480	0	0	0	0	480	0	0	0	0	0	0
University of D C	1,038	479	0	325	0	0	0	0	150	44	40	0
University of Guam	1,193	944	0	0	0	0	0	75	150	0	24	0
Virginia State University	1,776	1,495	0	0	0	75	0	0	0	206	0	0
West Chester Univ of Penn	112	0	0	0	0	0	0	112	0	0	0	0
Western Conn State Univ	37	0	0	0	0	0	0	0	0	0	37	0
Western Illinois Univ	135	0	0	0	0	0	0	135	0	0	0	0
Western Kentucky Univ	247	0	0	0	0	0	0	157	0	0	90	0
Western Oregon State Coll	224	0	0	0	224	0	0	0	0	0	0	0
Western Washington Univ	346	7	0	0	0	0	29	75	0	0	235	0
Winthrop College	12	0	0	0	0	0	0	0	0	0	12	0
Youngstown St University	8	0	0	0	0	0	0	0	0	0	8	0

See explanatory material at end of table.

(Continued)

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Bachelor's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Alcorn State University	1,447	1,421	0	26	0	0	0	0	0	0	0	0
Boise State University	157	0	0	40	0	0	0	0	0	0	117	0
CUNY York College	446	0	0	0	0	0	0	124	0	0	322	0
Central State University	227	0	0	214	0	13	0	0	0	0	0	0
Chadron State College	62	0	0	0	0	0	0	0	0	0	62	0
Columbus College	44	0	0	0	0	0	0	0	0	0	44	0
Eastern Montana College	18	0	0	0	0	0	0	0	2	0	16	0
Eastern Oregon St College	412	0	0	0	412	0	0	0	0	0	0	0
Evergreen State College	130	0	0	0	0	0	0	0	0	0	130	0
Fairmont State College	5	5	0	0	0	0	0	0	0	0	0	0
Francis Marion College	26	0	0	0	0	0	0	0	0	0	26	0
Kentucky State University	1,919	1,919	0	0	0	0	0	0	0	0	0	0
Langston University	1,146	1,130	0	0	0	16	0	0	0	0	0	0
Lincoln University (PA)	648	0	0	375	0	0	0	142	0	50	81	0
Longwood College	30	0	0	0	0	0	0	0	0	30	0	0
Maine Maritime Academy	61	0	19	0	0	0	0	0	0	0	42	0
Mary Washington College	18	0	0	0	0	0	0	0	0	18	0	0
Metro State Univ	935	0	0	0	0	0	935	0	0	0	0	0
Metropolitan State Col	162	0	0	0	0	0	0	0	0	0	162	0
Miss Valley State Univ	606	606	0	0	0	0	0	0	0	0	0	0
Missouri Southern St Col	4	0	0	0	0	0	0	0	4	0	0	0
No Marianas College	487	487	0	0	0	0	0	0	0	0	0	0
Norfolk State University	816	0	0	396	0	57	0	100	0	110	153	0
Northeastern State Univ	25	0	0	0	0	0	0	25	0	0	0	0
Northern Kentucky Univ	139	0	0	0	0	0	0	0	0	0	139	0
Oregon Institute of Tech	200	0	0	0	0	200	0	0	0	0	0	0
Peru State College	59	0	0	0	0	0	0	31	0	0	28	0
SUNY Col at Old Westbury	50	0	0	0	0	0	0	0	0	0	48	2
SUNY College at Purchase	359	0	0	0	0	0	0	100	0	44	215	0
Savannah State College	115	0	0	0	0	80	0	0	0	0	35	0
South Carolina St College	1,593	1,195	0	0	0	136	0	0	0	0	262	0
Southeastern Okla St Univ	39	0	0	39	0	0	0	0	0	0	0	0
Southwest State Univ	65	0	0	0	0	0	0	0	0	0	65	0
St Mary's College of MD	79	0	0	0	0	0	0	79	0	0	0	0
U of the Virgin Islands	1,052	902	0	0	0	0	0	0	150	0	0	0
U of Houston Downtown Col	1,006	0	0	0	0	1,001	0	0	0	0	5	0
U of MD University Coll	25	0	0	0	0	0	0	25	0	0	0	0
Un of NY Regents Col Deg	255	0	0	0	0	0	19	0	0	0	236	0
Univ Hawaii at Hilo	655	10	0	0	0	0	0	0	645	0	0	0
Univ Maine, Presque Isle	34	0	0	34	0	0	0	0	0	0	0	0
Univ of Ark Pine Bluff	1,262	1,202	0	60	0	0	0	0	0	0	0	0
Univ of N C at Asheville	61	3	0	0	0	0	0	0	0	0	58	0
Univ of S Dak Springfield	157	0	0	0	0	0	0	0	157	0	0	0
Univ of Southern Colorado	186	0	0	0	0	0	0	0	0	186	0	0
Univ of Wis-Parkside	456	0	0	89	0	0	0	38	0	0	329	0
Univ Tennessee at Martin	160	0	0	0	0	0	0	0	0	0	160	0
University of North Fla	47	0	0	0	0	0	0	0	0	0	44	3
University of Sthrn Maine	215	0	0	0	0	0	0	160	20	0	35	0
Wayne State College	19	0	0	0	0	0	0	0	0	0	19	0
West Virginia State Col	75	0	0	0	0	0	0	0	50	25	0	0
Winston-Salem State Univ	67	0	0	0	0	0	0	67	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-23. -- Federal obligations to public universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

(Page 7 of 7)

No Science Degree Institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
American Samoa Cmty Col	290	290	0	0	0	0	0	0	0	0	0	0
Black Hawk College	43	0	0	43	0	0	0	0	0	0	0	0
CUNY Boro of Man Cmty Col	14	0	0	0	0	0	0	0	0	0	0	14
CUNY NY City Tech Col	80	0	0	0	0	0	0	0	0	0	80	0
Clark County Cmty College	3	0	0	0	0	0	0	0	0	0	0	3
Cmty Col of Micronesia	290	290	0	0	0	0	0	0	0	0	0	0
Cmty Col of Philadelphia	1	0	0	0	0	0	0	0	0	0	0	1
College of Lake County	126	0	0	126	0	0	0	0	0	0	0	0
Essex County College	13	0	0	0	0	0	0	0	0	0	0	13
Foothill-Deanza CCSys Off	66	0	0	0	0	0	0	0	0	66	0	0
Guilford Technical Inst	12	0	0	0	0	0	0	0	0	0	12	0
Hocking Technical College	150	0	0	0	0	0	0	150	0	0	0	0
Houston Community College	59	0	0	0	0	0	0	0	0	0	59	0
Ind Voc Tech C-Indnplis	4	0	0	0	0	0	0	0	0	0	0	4
Inver Hills Cmty College	269	0	0	0	0	0	0	0	0	0	269	0
Kennesaw College	76	0	0	0	0	0	0	76	0	0	0	0
L A City Jr Col Dst S O	455	0	0	0	0	0	0	0	0	0	455	0
Meridian Junior College	25	0	0	0	0	0	0	0	0	0	25	0
Merritt College	158	0	0	0	0	0	0	158	0	0	0	0
Miami-Dade Cmty College	12	0	0	0	0	0	0	0	0	0	0	12
Mountain Empire Cmty Col	24	0	0	0	0	0	0	0	0	0	24	0
Murray State College	7	7	0	0	0	0	0	0	0	0	0	0
NY St Ceramics-Alfred U	5	0	0	5	0	0	0	0	0	0	0	0
New Hampshire Tech Inst	149	0	0	0	149	0	0	0	0	0	0	0
Northwest College	37	0	0	0	0	0	0	0	0	0	37	0
Nrthrn N Mex Cmty Col	5	0	0	0	0	0	0	0	5	0	0	0
Oakland Community College	89	0	0	28	0	43	18	0	0	0	0	0
Oglala Lakota College	257	0	0	0	0	0	0	257	0	0	0	0
Parkland College	290	0	0	0	0	0	0	0	0	0	290	0
Potomac St Col of WVA Un	8	0	0	0	0	0	0	0	0	0	8	0
SUNY Ag & Tech Cobleskill	69	0	0	0	0	0	0	0	0	0	69	0
SUNY Broome Cmty Col	113	0	0	0	0	113	0	0	0	0	0	0
SUNY Fashion Inst Tech	195	0	0	194	0	0	0	0	0	0	0	1
San Juan College	10	0	0	0	0	0	0	0	0	10	0	0
Southwstern Oreg Cmty Col	2	0	0	0	0	0	0	0	0	0	0	2
Tulsa Junior College	240	0	0	0	0	0	0	240	0	0	0	0
U P R - Regional Col Admn	280	0	0	0	0	0	0	0	0	0	280	0
Univ of Maine Augusta	2,041	0	2,041	0	0	0	0	0	0	0	0	0
Univ of Wis-Center System	45	0	0	0	0	0	0	0	45	0	0	0
University of ME-Bangor	150	0	0	0	0	0	0	0	150	0	0	0
Wash St CC Dist 17 Sys of	20	20	0	0	0	0	0	0	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

Source: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Doctorate-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Adelphi University	336	0	0	0	0	0	0	295	0	0	41	0
Albany Medical College	6,239	0	0	0	0	0	0	6,183	0	0	56	0
Alfred University	465	0	0	0	0	0	0	0	0	0	465	0
American University	2,153	0	0	0	0	0	0	409	0	27	658	1,059
Andrews University	68	0	0	0	0	0	0	0	0	0	68	0
Atlanta University	4,863	0	0	1,762	0	467	0	905	84	109	1,536	0
Baylor Col of Dentistry	759	0	0	0	0	0	0	759	0	0	0	0
Baylor Col of Medicine	69,499	7,040	0	1,047	952	341	0	59,452	0	667	0	0
Baylor University	1,271	0	0	0	0	0	0	796	0	69	406	0
Boston College	4,693	0	0	1,425	0	197	0	1,575	0	43	1,233	220
Boston University	60,029	0	39	5,689	114	1,648	90	44,966	13	1,519	5,951	0
Brandeis University	15,491	0	84	195	59	709	0	10,744	0	326	3,374	0
Brigham Young University	3,537	150	0	307	0	170	0	314	99	0	2,497	0
Brown University	33,000	0	98	7,272	0	2,640	0	13,383	216	1,319	8,072	0
Bryn Mawr College	500	0	0	0	60	0	0	366	0	0	74	0
California Inst of Tech	69,335	0	86	14,423	0	9,353	274	12,633	948	7,286	24,332	0
Carnegie-Mellon Univ	57,605	0	27	26,666	0	3,765	340	6,952	446	3,543	15,866	0
Case Western Reserve Univ	69,589	0	56	3,602	500	510	0	53,014	0	6,340	4,887	680
Catholic Univ of America	4,904	0	191	1,889	0	282	100	1,098	0	670	663	11
Charles R. Drew Med&Sci	3,542	0	0	0	0	0	0	3,542	0	0	0	0
Chicago Col of Osteo Med	368	0	0	0	0	0	0	368	0	0	0	0
Claremont U Ctr& Grad Sch	93	1	0	0	0	0	0	0	0	0	92	0
Clark Atlanta University	516	0	0	0	0	306	0	210	0	0	0	0
Clark University	1,424	0	0	133	0	42	0	299	0	0	466	484
Clarkson University	3,860	0	0	841	0	368	0	93	0	1,357	1,201	0
Columbia U Teachers Col	1,646	0	0	0	887	0	0	349	0	0	410	0
Columbia Univ Main Div	150,263	0	0	11,464	123	6,373	49	99,506	908	3,872	25,807	2,161
Cornell University	139,954	9,449	0	15,151	0	4,169	835	65,826	346	5,120	38,602	456
Creighton University	2,403	0	0	0	0	0	0	2,403	0	0	0	0
Dartmouth College	24,065	306	0	1,753	0	557	162	18,542	10	349	2,386	0
De Paul University	647	0	0	0	0	0	152	486	0	0	9	0
Drexel University	6,436	100	50	1,620	0	410	390	1,052	30	651	2,133	0
Duke University	108,611	276	0	6,031	0	3,514	2,081	86,376	0	691	9,642	0
Duquesne University	78	0	0	0	0	0	0	78	0	0	0	0
Eastern VA Medical School	5,987	0	0	0	0	0	0	2,406	0	111	42	3,428
Emory University	45,840	0	0	1,239	326	99	0	42,238	0	285	1,653	0
Fairleigh Dickinson Univ	40	0	0	0	0	0	0	0	40	0	0	0
Florida Inst of Tech	1,072	0	0	140	0	0	0	568	0	103	261	0
Fordham University	1,826	0	0	0	0	0	0	1,732	0	15	79	0
George Washington Univ	22,730	6	84	1,961	50	718	0	16,395	0	2,362	1,046	108
Georgetown University	24,728	367	38	891	666	300	416	19,193	0	0	1,307	1,550
Hahnemann University	8,468	0	0	380	0	0	0	8,088	0	0	0	0
Harvard University	141,760	0	0	7,396	500	4,459	800	99,634	77	4,404	18,384	6,106
Hofstra University	223	0	0	30	0	0	0	116	0	77	0	0
Howard University	12,291	201	0	627	5,169	395	195	3,259	0	759	1,686	0
Illinois Inst of Tech	4,777	0	0	297	50	365	126	2,967	0	102	870	0
Inst of Paper Sci & Tech	962	0	0	0	0	962	0	0	0	0	0	0
Johns Hopkins University	411,879	48	91	203,192	2,329	1,801	324	179,513	0	4,435	9,314	10,832
Kirksville Col Osteo Med	224	0	0	0	0	0	0	224	0	0	0	0
Lehigh University	10,524	0	247	2,638	143	1,633	106	750	0	260	4,747	0
Loma Linda University	1,985	0	0	0	0	0	0	1,975	0	0	10	0
Long Island University	43	0	0	0	0	0	0	0	0	0	43	0
Loyola Univ - Chicago	6,209	0	0	315	0	0	47	5,313	0	0	534	0
Maharishi Intl University	561	0	0	0	0	0	0	278	0	0	283	0
Marquette University	1,862	256	0	0	0	75	0	731	0	57	743	0
Mass Col Phar/Allied Hlth	50	0	0	50	0	0	0	0	0	0	0	0
Mass Inst of Technology	207,157	0	50	42,287	657	49,277	381	50,676	485	19,225	41,304	2,815
Medical College of Wis	19,585	345	0	0	0	0	0	18,694	0	193	262	91
Meharry Medical College	5,923	0	0	503	0	234	145	3,174	0	0	1,867	0
Mercer University	6,284	0	0	5,825	0	0	0	275	0	0	184	0
Morehouse School of Med	3,862	0	0	0	0	0	230	3,628	0	0	4	0
Mt Sinai Sch of Medicine	40,873	0	0	0	291	256	144	39,572	0	312	298	0
New Sch for Soc Research	311	0	0	0	0	0	0	311	0	0	0	0
New York Inst Technology	24	0	0	0	0	0	0	22	0	0	0	2
New York Medical College	9,793	0	0	0	0	73	0	9,550	0	10	160	0
New York University	77,761	0	0	4,184	101	4,408	497	58,865	0	557	5,324	3,825
Northeastern University	10,037	0	0	2,639	0	328	0	3,498	6	54	3,512	0
Northwestern University	57,494	60	91	4,207	1,432	3,710	0	34,753	47	1,104	12,005	85
Nova University	1,434	0	0	172	0	0	0	369	10	0	883	0
Oral Roberts University	90	0	0	0	0	0	90	0	0	0	0	0
Oregon Grad Inst Sci Tech	5,394	472	0	422	0	1,997	0	615	175	663	882	168
Pace University	200	0	0	0	0	0	0	182	0	0	18	0
Phila Col of Pharm & Sci	[illegible]	0	0	50	0	0	0	361	0	0	0	0
Polytechnic University	4,[illegible]	0	0	2,988	0	186	0	149	0	242	1,177	0
Ponce School of Medicine	547	0	0	0	0	0	0	547	0	0	0	0
Princeton University	47,037	0	30	9,169	0	5,311	265	12,245	360	3,500	16,157	0
Rensselaer Polytech Inst	19,950	125	75	6,306	0	2,570	61	1,541	0	2,555	6,440	277
Rice University	14,300	147	30	2,059	0	1,562	816	2,148	0	1,248	6,290	0
Rockefeller University	35,586	0	0	0	0	1,245	357	33,003	0	0	981	0
Rush University	1,493	0	0	0	0	0	0	1,316	0	0	177	0
Santa Clara University	509	0	0	0	0	0	0	0	0	163	346	0

See explanatory material at end of table.

(Continued)

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Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Doctorate-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Seton Hall University	72	0	0	0	0	72	0	0	0	0	0	0
Smith College	230	0	0	0	0	0	0	80	0	0	150	0
Southern Methodist Univ	7,331	0	0	5,609	0	0	0	778	0	203	741	0
St John's University (NY)	676	0	0	0	0	0	0	672	0	0	4	0
St Louis University	11,590	0	0	201	0	0	0	10,301	184	55	739	110
Stanford University	239,847	710	48	39,635	996	15,735	3,368	110,960	119	41,225	27,051	0
Stevens Institute of Tech	1,856	0	0	1,275	0	161	0	0	0	50	370	0
Syracuse University	21,415	0	0	8,751	458	852	215	4,962	125	189	3,419	2,444
Texas Christian Univ	2,206	0	0	105	0	0	0	1,883	0	0	218	0
Texas Col of Osteo Med	2,273	0	0	0	0	0	0	2,213	0	0	60	0
The Medical Col of Penna	9,697	0	0	311	0	0	0	9,330	0	0	56	0
Thomas Jefferson Univ	19,583	0	0	1,002	508	0	0	17,833	0	0	240	0
Tufts University	38,566	11,345	0	382	0	1,039	3,642	19,976	0	5	1,721	456
Tulane University	46,873	0	0	26,344	0	0	90	18,115	0	102	667	1,555
U Ctrl Del Caribe Esc Med	459	0	0	0	0	0	0	459	0	0	0	0
U Hlth Sci/Chcgo Med Sch	3,317	0	0	100	0	0	0	3,217	0	0	0	0
US International Univ	88	0	0	0	0	0	0	88	0	0	0	0
Union College (NY)	630	0	0	0	0	0	0	73	0	36	521	0
Univ of Pennsylvania	132,805	1,259	0	8,054	330	6,383	0	100,388	0	459	15,500	432
Univ of Southern Cal	114,766	0	0	33,945	162	1,532	72	61,524	175	5,290	11,516	550
University of the Pacific	913	0	0	40	0	0	0	704	0	11	158	0
University of Chicago	90,611	284	67	2,346	0	4,315	24	60,473	0	5,558	17,544	0
University of Dayton	21,576	0	0	21,042	0	0	200	0	0	58	213	63
University of Denver	4,959	0	0	1,068	0	283	50	1,286	0	953	1,319	0
University of Detroit	213	0	0	20	0	0	0	122	0	0	71	0
University of Miami	60,135	0	46	4,702	490	293	0	45,610	0	1,142	7,852	0
University of Notre Dame	11,643	0	0	1,227	0	3,389	170	2,628	0	176	4,053	0
University of Rochester	98,550	0	0	6,720	0	17,079	0	67,445	0	195	7,111	0
University of Tulsa	980	0	0	0	0	76	0	215	0	0	689	0
Vanderbilt University	63,978	45	0	1,390	1,542	542	0	53,971	0	2,634	3,854	0
Villanova University	934	0	0	0	0	0	0	338	231	143	222	0
Wake Forest University	27,314	0	0	0	0	40	0	26,434	0	299	541	0
Washington University	102,974	150	0	1,559	0	1,485	75	91,827	0	2,769	5,089	0
Wesleyan University	1,843	0	0	0	0	0	45	746	0	0	1,052	0
Woods Hole Ocngrphic Inst	67,289	0	3,481	38,365	0	428	0	410	0	204	24,401	0
Worcester Poly Institute	1,830	0	60	115	0	118	0	486	0	216	737	98
Xavier University of LA	8,545	0	0	7,327	0	0	30	1,188	0	0	0	0
Yale University	146,245	47	30	7,999	0	9,588	303	117,552	0	868	9,858	0
Yeshiva University	68,553	0	0	176	1,209	0	0	66,774	0	0	394	0

See explanatory material at end of table.

(Continued)

Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Master's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Abilene Christian Univ	80	0	0	0	0	80	0	0	0	0	0	0
Augustana College	223	0	0	0	0	0	0	0	0	0	223	0
Bradley University	17	0	0	0	0	0	0	0	0	0	17	0
Bucknell University	211	0	0	0	0	0	0	67	0	0	144	0
Butler University	315	0	0	0	0	0	241	25	0	0	49	0
Campbell University	88	5	0	0	0	0	0	83	0	0	0	0
Chapman College	72	0	0	0	0	0	0	72	0	0	0	0
Col of the Holy Cross	191	0	0	0	0	0	0	110	0	0	81	0
College of New Rochelle	396	0	0	0	0	0	0	25	0	0	371	0
Connecticut College	20	0	0	0	0	0	0	0	0	0	20	0
De Pauw University	20	0	0	0	0	0	0	0	0	20	0	0
Fisk University	469	0	0	0	0	0	190	0	0	129	0	150
Furman University	196	0	0	0	0	0	0	66	0	0	130	0
Gallaudet University	1,362	0	0	0	445	0	0	575	0	0	342	0
Gannon University	13	0	0	0	0	0	0	0	0	0	13	0
Gonzaga University	121	0	0	0	0	0	0	0	0	0	121	0
Hampton University	3,464	0	0	1,324	0	40	0	0	0	1,202	893	5
Harvey Mudd College	523	0	0	0	0	0	0	0	0	28	495	0
Heritage College	124	0	0	0	0	0	0	124	0	0	0	0
Inter Am U Pr-San German	27	0	0	0	0	0	0	0	0	0	27	0
Iona College	55	0	0	0	0	0	0	0	0	0	55	0
Ithaca College	156	0	0	0	0	0	0	0	0	0	156	0
John Carroll University	142	0	0	0	0	0	0	0	0	100	42	0
Loyola College	275	0	0	64	0	0	0	0	0	0	211	0
Loyola Univ - New Orleans	25	0	0	0	0	0	0	0	0	0	25	0
Manhattan College	360	0	0	0	0	0	207	0	0	67	86	0
Middlebury College	279	0	0	0	66	0	0	0	0	0	213	0
Monmouth College (NJ)	45	0	0	0	0	0	0	0	0	0	45	0
Mount Holyoke College	448	0	0	0	0	55	0	0	0	38	355	0
National Tech University	100	0	0	100	0	0	0	0	0	0	0	0
Oberlin College	263	0	0	0	0	0	0	46	0	25	192	0
Occidental College	197	0	0	50	0	0	0	0	0	0	147	0
Pepperdine University	100	0	0	0	0	0	0	0	0	0	100	0
Quinnipiac College	211	0	0	0	0	0	0	211	0	0	0	0
Rider College	129	0	0	0	0	0	0	109	0	0	20	0
Rochester Inst Technology	1,635	0	0	0	1,482	0	0	102	0	0	51	0
Rollins College	43	0	0	0	0	0	0	0	0	0	43	0
Rose-Hulman Inst of Tech	390	0	0	0	0	0	0	0	0	0	390	0
Seattle University	11	0	0	0	0	0	0	0	0	0	11	0
St Joseph College	65	0	0	0	50	0	0	15	0	0	0	0
St Joseph's University	137	0	0	0	0	0	0	112	0	0	25	0
St Mary's College	52	0	0	0	0	0	52	0	0	0	0	0
Swarthmore College	677	0	0	0	0	0	0	0	0	22	655	0
Trinity College	50	0	0	0	0	0	0	0	0	0	50	0
Trinity University	754	0	0	0	0	0	0	385	0	0	369	0
Tuskegee University	3,127	1,492	0	816	0	150	0	628	0	491	50	0
Univ of San Francisco	469	0	0	118	0	0	0	0	0	351	0	0
University of Bridgeport	144	0	0	0	0	0	0	64	0	80	0	0
University of Evansville	20	0	0	0	0	0	0	0	0	20	0	0
University of Hartford	137	0	0	0	0	0	0	0	0	0	137	0
University of New Haven	58	0	0	0	0	0	0	0	0	0	58	0
University of Portland	156	0	0	0	0	0	0	0	0	0	156	0
University of Puget Sound	456	0	0	0	0	0	0	0	122	0	334	0
University of Richmond	174	0	0	0	0	33	0	56	0	47	38	0
University of San Diego	596	0	0	0	0	0	0	398	0	0	198	0
Valparaiso University	186	0	0	0	0	125	0	0	0	0	61	0
Vassar College	519	0	0	0	0	0	0	375	0	0	144	0
Western New England Col	106	0	0	64	0	0	0	0	0	0	42	0
Whitworth College	55	0	0	0	0	0	0	0	0	0	55	0
Widener University	20	0	0	0	0	0	0	0	0	0	20	0
Williams College	684	0	0	0	0	0	0	286	0	45	353	0

See explanatory material at end of table.

(Continued)

Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

Bachelor's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Agnes Scott College	14	0	0	0	0	0	0	0	0	0	14	0
Allegheny College	25	0	0	0	0	0	0	0	0	0	25	0
Alma College	32	0	0	0	0	0	0	0	0	0	32	0
Amherst College	1,044	100	0	0	0	0	0	652	0	0	292	0
Arkansas College	8	0	0	0	0	0	0	0	0	8	0	0
Augsburg College	40	0	0	0	0	0	0	0	0	40	0	0
Augustana College	349	0	0	0	0	0	0	0	3	0	346	0
Bard College	30	0	0	0	0	0	0	0	0	0	30	0
Barnard College	614	0	0	70	0	0	0	454	0	0	90	0
Bellarmine College	1	0	0	0	0	0	0	0	0	0	1	0
Beloit College	50	0	0	0	0	0	0	0	0	24	26	0
Benedict College	25	0	0	0	0	0	0	25	0	0	0	0
Bennett College (NC)	45	0	0	0	0	0	0	42	0	0	0	3
Berry College	16	0	0	0	0	0	0	0	0	0	16	0
Bethune Cookman College	92	0	0	0	0	0	0	0	0	0	92	0
Bowdoin College	317	0	0	0	0	0	0	152	0	40	125	0
Cabrini College	52	0	0	0	0	0	0	0	0	0	52	0
Calvin College	232	0	0	0	0	0	0	103	0	0	129	0
Carleton College	61	0	0	0	0	0	0	0	0	0	61	0
Centre College	12	0	0	0	0	0	0	0	0	0	12	0
Claflin College	30	0	0	0	0	30	0	0	0	0	0	0
Coe College	29	0	0	0	0	0	0	0	0	0	29	0
Col of Notre Dame of MD	73	0	0	0	0	0	0	0	0	0	73	0
Colby College	50	0	0	0	0	0	0	0	0	50	0	0
Colgate University	241	0	0	0	0	0	0	0	0	0	241	0
College of St Scholastica	85	0	0	0	0	0	0	0	0	0	85	0
College of St Thomas	20	0	0	0	0	0	0	0	0	0	20	0
College of Wooster	173	0	0	0	0	0	0	25	0	0	148	0
Colorado College	128	0	0	0	0	0	0	0	0	0	128	0
Concordia Col Mo Head	93	0	0	0	0	0	0	0	0	0	93	0
Cornell College	1	0	0	0	0	0	0	0	1	0	0	0
Davidson College	12	0	0	0	0	0	0	0	0	0	12	0
Denison University	43	0	0	0	0	43	0	0	0	0	0	0
Divine Word College	34	0	0	0	0	0	0	0	0	0	34	0
Doane College	32	0	0	0	0	0	0	32	0	0	0	0
Drury College	12	0	0	0	0	0	0	0	0	0	12	0
Embry-Riddle Aero Univ	48	0	0	0	0	0	0	0	0	48	0	0
Emmanuel College	1,174	0	0	1,167	0	0	0	0	0	0	7	0
Erskine College	48	0	0	0	0	0	0	0	0	0	48	0
Fairfield University	58	0	0	0	0	35	0	0	0	0	23	0
Franklin & Marshall Col	394	0	0	0	0	0	0	238	0	0	156	0
Fundacion Educ Mendez Sys	47	0	0	0	0	0	0	0	0	0	47	0
GMI Engr/Management Inst	32	0	0	0	0	0	0	0	0	0	32	0
Grinnell College	135	0	0	0	0	0	0	0	0	0	135	0
Gustavus Adolphus College	8	0	0	0	0	0	0	0	0	0	8	0
Hamilton College	266	0	0	0	0	0	0	76	0	0	190	0
Hampden-Sydney College	61	0	0	0	0	61	0	0	0	0	0	0
Hampshire College	207	0	0	0	0	0	0	55	0	0	152	0
Haverford College	309	0	0	0	0	0	0	0	0	0	309	0
Hellenic Col Holy Cross	112	0	0	0	0	0	0	112	0	0	0	0
Hendrix College	55	0	0	0	0	0	0	0	0	0	55	0
Hope College	514	0	0	0	0	0	0	59	0	0	455	0
Jarvis Christian College	59	0	0	0	0	0	0	59	0	0	0	0
John Brown University	11	0	0	0	0	0	0	11	0	0	0	0
Juniata College	181	0	0	0	0	0	0	0	0	0	181	0
Kalamazoo College	20	0	0	0	0	0	0	0	0	0	20	0
Kentucky Christian Col	278	0	0	0	0	0	0	278	0	0	0	0
Kenyon College	128	0	0	0	0	0	0	96	0	0	32	0
Knox College	321	0	0	0	0	0	0	171	0	0	150	0
Lafayette College	149	0	0	0	0	0	0	0	0	0	149	0
Lake Forest College	61	0	0	0	0	0	0	0	0	0	61	0
LeTourneau University	30	0	0	0	0	0	0	0	0	30	0	0
Macalester College	503	0	0	0	0	0	0	0	0	0	503	0
Madonna College	150	0	0	0	0	0	0	0	0	0	150	0
Marygrove College	25	0	0	0	0	0	0	25	0	0	0	0
Meredith College	38	0	0	0	0	0	0	0	0	0	38	0
Messiah College	33	0	0	0	0	0	0	0	0	0	33	0
Mills College	161	0	0	0	0	0	0	0	0	0	161	0
Moravian College	24	0	0	0	0	0	0	0	0	0	24	0
Morehouse College	333	0	0	204	0	0	105	0	0	0	18	6
Morris Brown College	10	0	0	0	0	0	0	0	0	0	0	10
Mount St Mary's Col (MD)	6	0	0	0	0	0	0	0	0	6	0	0
N Y Col of Podiatric Med	33	0	0	0	0	0	0	33	0	0	0	0
National College of Educ	68	0	0	0	0	0	0	68	0	0	0	0
Nazareth Col of Rochester	103	0	0	0	0	0	0	25	0	0	78	0
Nebraska Wesleyan Univ	44	0	0	0	0	0	0	0	0	0	44	0
Notre Dame College (OH)	86	0	0	0	0	0	0	0	0	0	86	0
Ohio Wesleyan University	205	0	0	95	0	0	0	0	0	0	110	0
Ouachita Baptist Univ	127	0	0	119	0	0	0	0	0	0	8	0
Paul Quinn College	25	0	0	0	0	0	0	25	0	0	0	0
Pennsylvania Col Optomet	785	0	0	0	565	0	0	220	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

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Bachelor's-granting institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Philander Smith College	5	5	0	0	0	0	0	0	0	0	0	0
Pitzer College	151	0	0	0	0	0	0	121	0	30	0	0
Point Loma College	45	0	0	0	0	0	0	0	0	0	45	0
Pomona College	148	0	0	0	0	0	0	0	0	0	148	0
Radcliffe College	337	0	0	174	0	0	0	163	0	0	0	0
Reed College	433	0	0	0	0	10	0	177	0	0	246	0
Regis College	70	0	0	0	0	0	0	0	0	0	70	0
Regis College	414	0	0	414	0	0	0	0	0	0	0	0
Rosary College	67	0	0	0	0	0	0	67	0	0	0	0
Rust College	52	0	0	0	0	0	0	52	0	0	0	0
Salem College	35	0	0	0	0	0	0	35	0	0	0	0
Seton Hill College	24	0	0	0	0	0	0	0	0	0	24	0
Simmons College	739	0	0	0	0	0	0	346	0	0	393	0
Southern Col of Optometry	43	0	0	0	0	0	0	43	0	0	0	0
Spelman College	230	0	0	90	0	0	0	0	0	90	50	0
St Augustines College	50	0	0	0	0	0	0	0	0	0	50	0
St Edward's University	25	0	0	0	0	0	0	25	0	0	0	0
St John Fisher College	74	0	0	0	0	74	0	0	0	0	0	0
St Mary College	16	0	0	0	0	0	0	0	0	0	16	0
St Mary's College	24	0	0	0	0	0	0	0	0	20	4	0
St Norbert College	14	0	0	0	0	0	0	0	0	14	0	0
St Olaf College	168	0	0	0	0	0	0	0	0	0	168	0
Stonehill College	46	0	0	0	0	0	0	0	0	46	0	0
Sweet Briar College	22	0	0	0	0	0	0	0	0	0	22	0
Univ of the Sacred Heart	39	0	0	0	0	0	0	0	0	0	39	0
Univ of Albuquerque	162	0	0	0	0	0	0	0	0	162	0	0
Voorhees College	63	0	0	0	0	63	0	0	0	0	0	0
Wabash College	25	0	0	0	0	0	0	25	0	0	0	0
Washington & Lee Univ	53	0	0	0	0	0	0	0	0	0	53	0
Wellesley College	1,079	0	0	0	0	0	0	437	0	80	562	0
Wentworth Inst of Tech	1,927	0	0	1,927	0	0	0	0	0	0	0	0
Westmont College	46	0	0	0	0	0	0	0	0	0	46	0
Whitman College	64	0	0	0	0	0	0	0	0	0	64	0
Wiley College	55	0	0	0	0	0	0	0	0	0	55	0
Wittenberg University	96	0	0	0	0	0	0	0	0	96	0	0

See explanatory material at end of table.

(Continued)

Table B-24. -- Federal obligations to private universities and colleges for research and development by highest degree granted and agency: fiscal year 1989

[Dollars in thousands]

(Page 6 of 6)

No science degree institutions	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Amarillo College	1	0	0	0	0	0	0	0	0	0	0	1
Bank Street Col of Ed	1,008	0	0	0	1,000	0	0	0	0	0	8	0
Beckley College	170	0	0	0	0	170	0	0	0	0	0	0
Bentley College	20	0	0	20	0	0	0	0	0	0	0	0
College of the Atlantic	5	0	0	0	0	0	0	0	5	0	0	0
Lawrence University	64	0	0	0	0	0	0	0	0	0	64	0
Lesley College	309	0	0	0	0	0	0	0	0	0	309	0
Deep Springs College	8	0	0	0	0	0	0	0	0	0	8	0
Simon's Rock	70	0	0	0	0	0	0	0	0	0	70	0
Sinte Gleska College	77	0	0	0	0	0	0	77	0	0	0	0
Sthrn Cal Inst of Arch	13	0	0	0	0	0	0	0	0	13	0	0
Wheelock College	20	0	0	0	0	0	0	20	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

Source: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-25. -- Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
	Total, all institutions	40,463	49,102	50,321	56,593	57,042	62,632	62,770	92,117
1	Howard University	8,023	8,777	8,807	13,733	9,497	9,173	6,719	12,291
2	Xavier University of LA	139	12	149	130	90	110	998	8,545
3	NC Ag & Tech State Univ	2,606	3,789	3,609	3,191	3,620	3,421	4,234	6,617
4	Meharry Medical College	980	1,791	1,335	2,641	3,024	5,197	3,865	5,923
5	Atlanta University 2/	1,004	1,747	1,586	3,220	3,283	2,514	2,142	4,863
6	Alabama A & M University	1,485	1,730	2,632	2,488	2,660	3,580	3,663	4,477
7	Morehouse School of Med	-	315	733	335	1,628	2,188	2,211	3,862
8	Tuskegee University	1,836	3,515	3,021	2,524	3,021	3,027	3,323	3,627
9	Hampton University	629	998	992	1,160	1,326	1,629	1,686	3,464
10	Florida A & M University	1,160	1,301	1,725	2,633	2,368	2,526	2,194	3,340
	Total 1st 10 institutions	17,862	23,975	24,589	32,055	30,517	33,365	31,235	57,009
11	Jackson State University	929	1,075	939	435	1,279	1,827	2,314	3,204
12	Tennessee State Univ	1,831	1,903	2,443	2,235	2,307	2,849	2,751	3,031
13	Prairie View A & M Univ	1,929	2,911	2,696	2,257	2,308	2,345	2,526	2,839
14	Southern U & A&M College	1,101	1,659	1,732	1,286	1,805	1,710	1,543	1,991
15	Kentucky State University	1,510	1,580	1,637	1,612	1,638	1,848	1,789	1,919
16	Virginia State University	1,285	1,754	1,426	1,769	1,863	1,906	1,625	1,776
17	Fort Valley State Univ	1,606	1,681	1,828	1,841	1,753	1,432	1,594	1,684
18	Lincoln University (MO)	1,395	1,477	1,515	1,548	1,452	1,447	1,552	1,674
19	Texas Southern Univ	296	222	760	304	1,415	1,511	1,554	1,612
20	South Carolina St College	1,091	1,137	1,188	996	1,112	1,189	1,154	1,593
	Total 1st 20 institutions	30,835	39,374	40,753	46,338	47,449	51,429	49,637	78,332
21	Alcorn State University	1,312	1,382	1,365	1,191	1,348	1,338	1,378	1,447
22	Univ of Ark Pine Bluff	1,148	1,124	1,185	1,236	1,157	1,166	1,215	1,262
23	Langston University	973	1,016	1,034	885	1,073	1,100	1,114	1,146
24	U of the Virgin Islands	890	1,067	599	931	916	1,026	1,091	1,052
25	University of D C	1,106	636	818	776	749	756	633	1,038
26	U of MD Eastern Shore	806	1,325	762	779	776	1,152	810	1,023
27	Norfolk State University	0	83	114	35	82	143	315	816
28	Lincoln University (PA)	65	0	357	417	360	351	272	648
29	Morgan State University	312	760	372	813	274	517	469	647
30	Miss Valley State Univ	0	0	31	0	0	728	606	606
	Total 1st 30 institutions	37,447	46,767	47,390	53,401	54,184	59,706	57,540	88,017
31	Grambling State Univ	0	117	10	102	124	251	378	594
32	Clark Atlanta Univ 2/	25	220	167	90	80	92	817	516
33	Delaware State University	455	491	508	455	441	461	481	487
34	Fisk University	62	90	384	264	934	443	574	469
35	North Carolina Cntrl Univ	201	75	141	534	0	344	545	402
36	Morehouse College	685	546	313	558	392	43	428	333
37	Spelman College	27	0	204	129	33	215	294	230
38	Central State University	169	72	52	106	0	0	135	227
39	Savannah State College	71	0	0	0	0	19	90	115
40	Bethune Cookman College	0	0	0	20	0	0	0	92
	Total 1st 40 institutions	39,142	48,378	49,169	55,659	56,188	61,574	61,282	91,482
41	West Virginia State Col	0	0	0	0	0	59	0	75
42	Alabama State University	0	104	168	0	45	76	90	74
43	Winston-Salem State Univ	0	0	0	92	112	91	127	67
44	Voorhees College	0	0	0	0	85	48	62	63
45	Jarvis Christian College	0	0	0	0	0	0	0	59
46	Wiley College	0	0	0	0	0	0	0	55
47	Rust College	0	0	43	90	53	55	76	52
48	St Augustines College	100	0	50	0	0	0	0	50
49	Bennett College (NC)	0	0	0	0	0	40	41	45
50	Claflin College	21	0	0	0	48	52	76	30
	Total 1st 50 institutions	39,263	48,482	49,430	55,841	56,531	61,995	61,754	92,052

See explanatory material at end of table.

(Continued)

Table B-25. -- Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
51	Benedict College	0	0	406	224	151	25	4	25
52	Paul Quinn College	0	0	0	0	0	0	0	25
53	Morris Brown College	46	0	0	14	0	0	0	10
54	Philander Smith College	0	0	0	0	0	0	0	5
	Albany State College	750	0	0	0	0	97	380	0
	Bishop College	42	30	32	0	0	64	67	0
	Bowie State University	110	112	150	300	70	130	171	0
	Coahoma Community College	0	50	0	0	0	0	0	0
	Coppin State College	114	20	85	0	0	0	0	0
	Dillard University	0	10	100	93	27	41	0	0
Total 1st	60 institutions	40,325	48,704	50,203	56,472	56,779	62,352	62,376	92,117
	Edward Waters College	50	55	0	0	0	0	0	0
	Elizabeth City State Univ	0	0	0	0	0	0	12	0
	Fayetteville State Univ	58	0	0	0	0	0	0	0
	Florida Memorial College	0	72	0	0	0	0	0	0
	Knoxville College	0	0	0	0	7	7	0	0
	Lane College	0	1	0	0	0	0	0	0
	Le Moyne-Owen College	0	0	0	0	0	13	0	0
	Oakwood College	0	75	118	0	75	75	0	0
	Paine College	0	0	0	0	0	44	43	0
	Prentiss Norm & Ind Inst	0	97	0	0	0	0	0	0
Total 1st	70 institutions	40,433	49,004	50,321	56,472	56,861	62,491	62,431	92,117
	Selma University	0	34	0	0	0	141	183	0
	Shaw College at Detroit	0	64	0	0	0	0	0	0
	Shaw University	0	0	0	0	85	0	0	0
	Talladega College	30	0	0	0	0	0	0	0
	Tougaloo College	0	0	0	75	96	0	156	0
	U DC Ga Ave & Harv St Cam	-	-	0	46	0	0	0	0
Total 1st	76 institutions	40,463	49,102	50,321	56,593	57,042	62,632	62,770	92,117

1/ Institutions having no current year obligations are listed in alphabetical order.

2/ Atlanta University (rank #5) and Clark College (rank #32) have merged to form Clark Atlanta University (rank #32), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-26. -- Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	92,117	26,386	100	17,264	5,169	4,676	895	17,879	710	7,618	11,157	263
1	Howard University	12,291	201	0	627	5,169	395	195	3,259	0	759	1,686	0
2	Xavier University of LA	8,545	0	0	7,327	0	0	30	1,188	0	0	0	0
3	NC Ag & Tech State Univ	6,617	2,283	0	1,406	0	209	0	108	58	1,617	875	61
4	Meharry Medical College	5,923	0	0	503	0	234	145	3,174	0	0	1,867	0
5	Atlanta University 2/	4,863	0	0	1,762	0	467	0	905	84	109	1,536	0
6	Alabama A & M University	4,477	1,457	0	112	0	385	0	0	0	1,229	1,294	0
7	Morehouse School of Med	3,862	0	0	0	0	0	230	3,628	0	0	4	0
8	Tuskegee University	3,627	1,492	0	816	0	150	0	628	0	491	50	0
9	Hampton University	3,464	0	0	1,324	0	40	0	0	0	1,202	893	5
10	Florida A & M University	3,340	1,079	0	537	0	75	0	1,122	0	108	419	0
	Total 1st 10 institutions	57,009	6,512	0	14,414	5,169	1,955	600	14,012	142	5,515	8,624	66
11	Jackson State University	3,204	0	25	602	0	1,381	0	125	193	470	408	0
12	Tennessee State Univ	3,031	1,660	0	0	0	14	0	1,203	0	154	0	0
13	Prairie View A & M Univ	2,839	2,219	0	0	0	281	0	0	0	339	0	0
14	Southern U & A&M College	1,991	1,098	0	101	0	14	0	171	0	286	321	0
15	Kentucky State University	1,919	1,919	0	0	0	0	0	0	0	0	0	0
16	Virginia State University	1,776	1,495	0	0	0	75	0	0	0	206	0	0
17	Fort Valley State Univ	1,684	1,537	0	0	0	50	0	41	0	0	46	10
18	Lincoln University (MO)	1,674	1,654	0	0	0	0	0	0	20	0	0	0
19	Texas Southern Univ	1,612	0	0	0	0	90	0	1,359	0	139	24	0
20	South Carolina St College	1,593	1,195	0	0	0	136	0	0	0	0	262	0
	Total 1st 20 institutions	78,332	19,289	25	15,117	5,169	3,996	600	16,911	355	7,10	9,685	76
21	Alcorn State University	1,447	1,421	0	26	0	0	0	0	0	0	0	0
22	Univ of Ark Pine Bluff	1,262	1,202	0	60	0	0	0	0	0	0	0	0
23	Langston University	1,146	1,130	0	0	0	16	0	0	0	0	0	0
24	U of the Virgin Islands	1,052	902	0	0	0	0	0	0	150	0	0	0
25	University of D C	1,038	479	0	325	0	0	0	0	150	44	40	0
26	U of MD Eastern Shore	1,023	865	75	0	0	0	0	0	5	0	78	0
27	Norfolk State University	816	0	0	396	0	57	0	100	0	110	153	0
28	Lincoln University (PA)	648	0	0	375	0	0	0	142	0	50	81	0
29	Morgan State University	647	0	0	0	0	0	0	0	0	61	568	18
30	Miss Valley State Univ	606	606	0	0	0	0	0	0	0	0	0	0
	Total 1st 30 institutions	88,017	25,894	100	16,299	5,169	4,069	600	17,153	660	7,374	10,605	94
31	Grambling State Univ	594	0	0	191	0	115	0	150	0	0	138	0
32	Clark Atlanta Univ 2/	516	0	0	0	0	306	0	210	0	0	0	0
33	Delaware State University	487	487	0	0	0	0	0	0	0	0	0	0
34	Fisk University	469	0	0	0	0	0	190	0	0	129	0	150
35	North Carolina Cntrl Univ	402	0	0	266	0	0	0	96	0	0	40	0
36	Morehouse College	333	0	0	204	0	0	105	0	0	0	18	6
37	Spelman College	230	0	0	90	0	0	0	0	0	90	50	0
38	Central State University	227	0	0	214	0	13	0	0	0	0	0	0
39	Savannah State College	115	0	0	0	0	80	0	0	0	0	35	0
40	Bethune Cookman College	92	0	0	0	0	0	0	0	0	0	92	0
	Total 1st 40 institutions	91,482	26,381	100	17,264	5,169	4,583	895	17,609	660	7,593	10,978	250
41	West Virginia State Col	75	0	0	0	0	0	0	0	50	25	0	0
42	Alabama State University	74	0	0	0	0	0	0	0	0	0	74	0
43	Winston-Salem State Univ	67	0	0	0	0	0	0	67	0	0	0	0
44	Voorhees College	63	0	0	0	0	63	0	0	0	0	0	0
45	Jarvis Christian College	59	0	0	0	0	0	0	59	0	0	0	0
46	Wiley College	55	0	0	0	0	0	0	0	0	0	55	0
47	Rust College	52	0	0	0	0	0	0	52	0	0	0	0
48	St Augustines College	50	0	0	0	0	0	0	0	0	0	50	0
49	Bennett College (NC)	45	0	0	0	0	0	0	42	0	0	0	3
50	Claflin College	30	0	0	0	0	30	0	0	0	0	0	0
	Total 1st 50 institutions	92,052	26,381	100	17,264	5,169	4,676	895	17,829	710	7,618	11,157	253
51	Paul Quinn College	25	0	0	0	0	0	0	25	0	0	0	0
52	Benedict College	25	0	0	0	0	0	0	25	0	0	0	0
53	Morris Brown College	10	0	0	0	0	0	0	0	0	0	0	10
54	Philander Smith College	5	5	0	0	0	0	0	0	0	0	0	0
	Total 1st 54 institutions	92,117	26,386	100	17,264	5,169	4,676	895	17,879	710	7,618	11,157	263

1/ Includes DOT, AID, HUD, Labor, and NRC.

2/ Atlanta University (rank #5) and Clark College (rank #32) have merged to form Clark Atlanta University (rank #32), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-27. -- Federal obligations for research and development to historically black colleges, ranked in descending order of total amount received, by area of science/engineering: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	Engi-neering	Physical sciences	Math & computer sciences	Environ-mental sciences	Life sciences	Psychol-ogy	Social sciences	Other sciences, NEC
	Total, all institutions	92,117	6,292	12,150	5,652	2,211	39,862	412	7,374	18,164
1	Howard University	12,291	1,539	839	687	370	3,399	0	176	5,281
2	Xavier University of LA	8,545	0	179	0	30	7,290	0	0	1,046
3	NC Ag & Tech State Univ	6,617	1,937	250	644	0	1,840	0	690	1,256
4	Meharry Medical College	5,923	0	366	0	0	4,610	0	0	947
5	Atlanta University 1/	4,863	179	1,737	756	133	212	0	25	1,821
6	Alabama A & M University	4,477	126	1,773	0	54	1,937	0	271	316
7	Morehouse School of Med	3,862	0	0	0	230	1,089	77	0	2,466
8	Tuskegee University	3,627	574	221	450	195	1,514	0	54	619
9	Hampton University	3,464	142	2,093	663	29	136	0	5	396
10	Florida A & M University	3,340	0	790	19	0	864	0	76	1,591
	Total 1st 10 institutions	57,009	4,497	8,248	3,219	1,041	22,891	77	1,297	15,739
11	Jackson State University	3,204	387	1,120	847	509	178	0	150	13
12	Tennessee State Univ	3,031	154	339	0	14	728	0	1,227	569
13	Prairie View A & M Univ	2,839	0	540	0	0	1,787	0	501	11
14	Southern U & A&M College	1,991	258	47	336	14	871	0	398	67
15	Kentucky State University	1,919	0	0	0	0	1,597	0	322	0
16	Virginia State University	1,776	75	206	9	0	1,200	0	286	0
17	Fort Valley State Univ	1,684	84	0	0	0	1,248	0	302	50
18	Lincoln University (MO)	1,674	0	0	0	0	1,616	0	58	0
19	Texas Southern Univ	1,612	0	90	24	0	536	0	0	962
20	South Carolina St College	1,593	0	0	0	0	389	0	968	236
	Total 1st 20 institutions	78,332	5,455	10,590	4,435	1,578	33,041	77	5,509	17,647
21	Alcorn State University	1,447	26	0	0	0	951	0	470	0
22	Univ of Ark Pine Bluff	1,262	0	129	0	0	938	0	195	0
23	Langston University	1,146	0	0	0	0	1,130	0	0	16
24	U of the Virgin Islands	1,052	77	0	0	150	767	0	58	0
25	University of D C	1,038	0	112	99	265	205	81	276	0
26	U of MD Eastern Shore	1,023	0	6	50	28	639	0	300	0
27	Norfolk State University	816	26	126	564	0	0	0	100	0
28	Lincoln University (PA)	648	75	381	50	0	0	0	142	0
29	Morgan State University	647	362	105	0	0	13	0	0	167
30	Miss Valley State Univ	606	0	0	0	0	606	0	0	0
	Total 1st 30 institutions	88,017	6,021	11,449	5,198	2,021	38,290	158	7,050	17,830
31	Grambling State Univ	594	0	253	191	0	0	0	150	0
32	Clark Atlanta Univ 1/	516	81	0	0	0	225	187	23	0
33	Delaware State University	487	0	0	0	0	457	0	30	0
34	Fisk University	469	190	151	0	0	128	0	0	0
35	North Carolina Cntrl Univ	402	0	225	41	0	96	0	40	0
36	Morehouse College	333	0	0	0	105	204	0	18	6
37	Spelman College	230	0	0	140	0	90	0	0	0
38	Central State University	227	0	0	0	0	214	0	0	13
39	Savannah State College	115	0	0	0	35	0	0	0	80
40	Bethune Cookman College	92	0	0	0	0	0	0	0	92
	Total 1st 40 institutions	91,482	6,292	12,078	5,570	2,161	39,704	345	7,311	18,021
41	West Virginia State Col	75	0	25	0	50	0	0	0	0
42	Alabama State University	74	0	0	74	0	0	0	0	0
43	Winston-Salem State Univ	67	0	0	0	0	0	67	0	0
44	Voorhees College	63	0	0	0	0	0	0	0	63
45	Jarvis Christian College	59	0	0	0	0	59	0	0	0
46	Wiley College	55	0	47	8	0	0	0	0	0
47	Rust College	52	0	0	0	0	52	0	0	0
48	St Augustines College	50	0	0	0	0	0	0	0	50
49	Bennett College (NC)	45	0	0	0	0	42	0	3	0
50	Claflin College	30	0	0	0	0	0	0	0	30
	Total 1st 50 institutions	92,052	6,292	12,150	5,652	2,211	39,857	412	7,314	18,164
51	Paul Quinn College	25	0	0	0	0	0	0	25	0
52	Benedict College	25	0	0	0	0	0	0	25	0
53	Morris Brown College	10	0	0	0	0	0	0	10	0
54	Philander Smith College	5	0	0	0	0	5	0	0	0
	Total 1st 54 institutions	92,117	6,292	12,150	5,652	2,211	39,862	412	7,374	18,164

1/ Atlanta University (rank #5) and Clark College (rank #32) have merged to form Clark Atlanta University (rank #32), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-28. -- Federal obligations to systems of universities and colleges for research and development by agency: fiscal year 1989 1/

[Dollars in thousands]

(Page 1 of 1)

Systems of universities and colleges (ranked by total R&D obligations)	Rank	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Total, all systems		2,883,075	130,749	39,022	323,967	25,493	161,293	31,711	1,491,964	21,534	169,349	456,389	31,604
University of California System	1	796,116	14,207	3,979	75,751	9,705	44,845	2,485	471,128	1,731	48,163	119,265	4,857
University of Texas System	2	257,015	265	0	36,919	107	17,118	841	169,837	522	9,966	20,151	1,289
University of Wisconsin System	3	163,556	7,814	2,522	9,932	769	14,106	1,289	87,196	497	9,537	28,832	1,062
Columbia University System	4	152,523	0	0	11,534	1,010	6,373	49	100,309	908	3,872	26,307	2,161
University of North Carolina System	5	151,668	11,258	1,597	13,236	1,430	2,844	5,452	85,955	449	6,118	18,741	4,588
University of Illinois System	6	147,567	7,231	1,510	23,636	2,473	11,904	1,964	47,495	431	3,764	44,589	2,570
State University System of Florida	7	133,561	9,136	2,510	38,108	683	17,252	1,399	40,399	779	4,069	17,579	1,647
State University of New York System	8	129,459	560	2,058	6,539	765	4,968	4,143	82,128	74	3,056	24,901	267
Utah Higher Education System	9	104,580	3,028	0	36,376	577	5,249	941	44,806	1,957	1,620	9,365	661
Universities & State Col of Arizona System	10	103,319	3,973	162	11,387	1,586	3,043	672	41,792	1,759	17,508	20,206	1,231
University of Maryland System	11	101,743	4,777	3,186	14,412	1,795	6,641	3,440	38,912	5	9,685	17,555	1,335
University of Alabama System	12	92,532	115	105	8,064	897	377	0	64,413	275	14,281	4,005	0
Oregon State Higher Education System	13	84,186	8,239	2,546	8,405	1,336	2,575	1,392	37,935	1,386	2,470	17,030	872
City University of New York System	14	65,242	265	0	2,190	291	1,959	144	50,727	0	562	8,590	514
Texas A&M University System	15	49,161	11,035	2,043	6,478	0	4,715	143	7,703	393	4,324	11,405	922
University of Hawaii System	16	47,913	4,282	9,001	2,666	0	1,659	0	9,136	676	5,529	12,390	2,574
Louisiana State University System	17	40,683	4,252	1,624	2,385	0	2,837	948	22,068	634	685	5,250	0
University of Tennessee System	18	36,213	4,977	0	2,117	0	4,287	210	19,571	150	1,057	3,844	0
University of Missouri System	19	33,183	5,969	158	1,022	0	1,592	212	14,508	2,066	538	5,177	1,921
California State University & Colleges System	20	28,562	183	77	4,030	311	1,824	70	8,243	1,390	3,495	8,939	0
University of Nebraska System	21	24,843	5,390	310	1,334	0	412	0	11,502	180	691	2,459	2,565
University of Houston System	22	20,772	30	0	3,315	70	1,680	97	4,075	0	8,355	3,150	0
University of Arkansas System	23	19,330	7,303	0	474	1,347	1,177	374	6,985	164	149	1,357	0
University of Puerto Rico System	24	15,442	4,212	490	533	0	125	0	6,218	150	203	3,511	0
University of Alaska System	25	15,111	1,264	1,209	533	62	704	0	721	656	3,365	6,597	0
University of Nevada System	26	14,113	1,429	1,386	128	0	123	2,495	3,644	1,647	402	2,831	28
University of New Hampshire System	27	12,793	1,509	199	683	0	420	313	1,564	220	4,711	3,174	0
Montana University System	28	10,414	2,739	46	259	0	44	737	2,217	740	272	3,034	326
State Univ & Cmty Col System of Tennessee	29	8,743	1,660	0	360	79	241	213	3,730	691	212	1,347	210
University of Maine System	30	8,657	2,843	2,041	176	0	0	716	750	363	279	1,489	0
Southern Illinois University System	31	6,123	499	0	925	125	69	0	2,916	338	157	1,094	0
State University System of Minnesota	32	3,413	0	0	0	75	0	935	2,286	0	0	117	0
University of South Dakota System	33	932	0	0	0	0	0	0	593	171	47	121	0
Claremont Colleges System	34	915	1	0	0	0	0	0	121	0	58	735	0
University of Massachussetts System	35	563	188	263	0	0	0	0	0	112	0	0	0
State System of Higher Education	36	425	0	0	0	0	0	37	223	0	0	165	0
University of South Texas System	37	389	96	0	60	0	100	0	0	0	83	50	0
Massachusetts State College System	38	245	0	0	0	0	30	0	0	0	0	215	0
Peralta Community College System	39	158	0	0	0	0	0	0	158	0	0	0	0
Foothill-Deanza Community Col District System	40	66	0	0	0	0	0	0	0	0	66	0	0
Fundacion Educativa G Mendez System	41	47	0	0	0	0	0	0	0	0	0	47	0
Virginia Community College System	42	24	0	0	0	0	0	0	0	0	0	24	0
Indiana University Systems	43	4	0	0	0	0	0	0	0	0	0	0	4

1/ Includes obligations to every individual institution included within each system.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

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Table 8-29. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities and colleges by type of activity: fiscal years 1963-89

[Dollars in thousands]

Fiscal year	Total academic science/ engineering	Research and development	R&D plant 2/	Facilities for instruction in science & engineering	Fellow-ships, trainee-ships, & training grants	General support for science/ engineering	Other science/ engineering activities
1963	814,082	668,803	138,880	(3)	(3)	(3)	6,399
1964	862,353	732,345	122,508	(3)	(3)	(3)	7,500
1965	895,287	744,172	141,714	(3)	(3)	(3)	9,401
1966	917,631	784,227	127,604	(3)	(3)	(3)	5,800
1967	907,549	800,798	101,753	(3)	(3)	(3)	4,998
1968	935,820	818,035	113,779	(3)	(3)	(3)	4,006
1969	916,872	790,981	121,135	(3)	(3)	(3)	4,756
1970	960,906	799,670	156,794	(3)	(3)	(3)	4,442
1971	984,001	794,874	184,709	53	1,481	70	2,814
1972	1,076,653	936,588	133,318	0	2,740	0	4,007
1973	1,011,199	909,848	95,521	45	2,944	48	2,793
1974	1,083,376	974,376	102,105	0	664	206	6,025
1975	1,207,467	1,077,982	128,772	0	351	211	151
1976	1,443,846	1,278,372	163,038	0	493	0	1,943
1977	1,611,676	1,453,739	157,508	0	306	123	0
1978	1,675,473	1,461,612	213,180	0	458	106	117
1979	1,928,856	1,597,708	330,613	0	402	133	0
1980	2,158,074	1,747,559	379,943	12,525	527	9,955	7,565
1981	2,217,779	1,885,221	322,137	6,647	298	2,270	1,206
1982	2,479,243	2,053,125	406,211	6,115	293	400	2,769
1983	2,759,728	2,392,338	337,350	17,757	437	11,130	716
1984	3,006,001	2,638,926	358,265	1,605	344	584	6,277
1985	3,448,931	3,017,501	427,122	1,460	683	1,921	244
1986	3,520,597	3,167,947	348,705	0	1,019	1,285	1,641
1987	3,640,083	3,262,297	373,474	902	577	1,532	1,301
1988	3,766,126	3,300,725	462,089	450	544	687	1,631
1989	4,019,518	3,525,564	459,724	1,095	628	764	31,743

1/ Federally funded research and development centers.

2/ See Technical Notes, scope of survey.

3/ Not separately identified but included in "other science/engineering activities".

NOTE: N/A indicates not available.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-30. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities and colleges by agency: fiscal years 1963-89

[Dollars in thousands]

(Page 1 of 1)

Fiscal year	Total	USDA	Com	DOD	DOE 2/	EPA	HHS 3/	HUD	Int	Labor	NASA	NSF	NRC	DOT
1963	814,082	-	0	128,236	440,259	-	-	-	0	N/A	230,168	15,419	-	-
1964	862,353	-	0	144,044	471,470	-	509	-	0	N/A	226,194	20,136	-	-
1965	895,287	-	0	142,676	485,028	-	1,788	-	0	N/A	245,094	20,701	-	-
1966	917,631	-	0	141,916	517,898	-	3,225	-	0	N/A	230,820	23,772	-	-
1967	907,549	-	0	135,992	510,878	-	7,859	-	0	N/A	223,984	28,836	-	-
1968	935,820	-	45	142,847	539,513	-	12,455	0	0	-	209,732	31,227	-	1
1969	916,872	-	57	143,365	560,752	-	23,658	0	0	-	160,619	28,421	-	N/A
1970	960,906	-	92	131,213	613,251	-	7,932	0	0	-	180,692	27,506	-	220
1971	984,001	0	0	137,086	626,621	0	7,427	550	0	0	175,077	37,240	-	0
1972	1,076,653	0	0	198,959	609,031	0	9,478	0	0	0	211,295	41,811	-	6,079
1973	1,011,199	0	0	160,503	595,815	88	1,171	0	0	155	203,860	46,386	-	3,221
1974	1,083,376	0	0	173,533	633,667	0	3,151	0	261	2,630	212,065	57,032	-	1,037
1975	1,207,467	0	73	196,695	721,906	0	3,280	0	213	172	227,512	57,562	0	54
1976	1,443,846	0	0	217,529	906,173	0	6,170	0	674	22	241,928	71,325	0	25
1977	1,611,676	0	0	228,941	1,067,072	0	6,622	0	0	132	235,714	72,317	0	878
1978	1,675,473	0	0	107,088	1,254,354	31	8,771	0	0	25	224,121	78,489	50	2,544
1979	1,928,856	0	0	111,728	1,442,694	0	11,556	0	294	0	264,610	85,227	0	0
1980	2,158,074	0	0	134,070	1,608,105	0	11,955	0	300	0	312,866	73,153	0	3,300
1981	2,217,779	82	0	137,767	1,654,224	0	16,099	0	285	0	318,820	73,240	0	3,800
1982	2,479,243	0	1,545	188,514	1,844,961	393	19,087	0	0	0	331,938	72,702	0	3,826
1983	2,759,728	65	179	266,827	1,937,120	2	20,543	0	0	0	427,526	83,440	0	5,991
1984	3,006,001	120	271	249,558	2,083,262	0	20,562	0	30	0	548,307	91,464	0	12,427
1985	3,448,931	55	333	322,060	2,259,839	0	25,854	0	0	0	724,813	103,438	0	12,539
1986	3,520,597	165	996	322,357	2,172,387	0	26,404	0	0	0	691,284	99,529	0	7,475
1987	3,640,083	210	573	381,970	2,235,593	0	30,586	0	0	0	878,564	102,973	150	9,464
1988	3,766,126	0	551	372,410	2,420,120	0	27,944	0	0	0	846,091	98,905	50	55
1989	4,019,518	493	801	405,299	2,550,385	0	29,203	0	0	0	929,125	104,112	0	100

1/ Federally funded research and development centers.

2/ Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research & Development Administration, respectively.

3/ Data shown for fiscal years 1963-79 represent obligations of the Department of Health, Education, & Welfare.

NOTE: N/A indicates not available.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-31. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities and colleges by institution: fiscal years 1982-89

[Dollars in thousands]

(Page 1 of 1)

State and institution	1982	1983	1984	1985	1986	1987	1988	1989	Sponsoring agency
United States, total	2,479,243	2,759,728	3,006,001	3,448,931	3,520,597	3,640,083	3,766,126	4,019,518	
Arizona									
Cerro Tololo Inter-American Observatory (Chile) 2/	4,830	6,460	-	-	-	-	-	-	NSF
Kitt Peak National Observ 2/	10,689	12,018	-	-	-	-	-	-	NSF
National Optical Astronomy Observatory 2/	-	-	23,086	22,826	22,624	22,950	23,005	24,028	NSF
California:									
Jet Propulsion Lab 3/	332,787	431,020	554,645	729,633	894,797	883,054	846,556	929,423	NSF
Lawrence Berkely Lab	153,929	139,541	229,145	234,096	143,840	162,571	166,446	185,313	DOE
Lawrence Livermore Lab	510,585	547,141	529,458	618,507	698,415	705,367	743,566	629,003	DOE
Stanford Linear Accelerator	71,188	86,970	117,825	154,500	119,081	113,164	122,790	136,049	DOE
Colorado:									
Nat Ctr for Atmos Rsch	34,421	36,937	40,440	46,601	43,969	43,877	46,052	48,197	NSF
Illinois:									
Argonne Natl Laboratory	210,495	204,259	213,923	198,054	199,731	203,781	225,453	248,750	DOE
Fermilab	140,548	175,463	182,541	196,572	170,643	179,258	190,822	202,504	DOE
Iowa:									
Ames Laboratory	21,679	17,327	17,624	17,656	16,774	18,302	20,645	20,290	DOE
Massachusetts:									
Lincoln Laboratory	192,109	270,031	255,741	328,815	325,912	380,123	367,570	379,002	DOD/AF
New Jersey:									
Plasma Physics Laboratory	125,340	134,060	132,396	118,752	93,567	96,366	102,183	97,641	DOE
New Mexico:									
Los Alamos Scientific Lab	458,583	476,298	492,829	541,228	549,688	555,993	600,189	621,722	DOE
National Solar Observ 2/	2,489	2,577	-	-	-	-	-	-	NSF
New York:									
Brookhaven National Lab	163,945	167,176	173,336	196,091	195,677	199,582	219,915	256,059	DOE
Pennsylvania:									
Software Engineering Inst.	-	-	-	-	-	-	-	23,330	DOD/Other
Tennessee:									
Oak Ridge Associated Univ	11,111	11,217	15,592	11,780	13,849	16,785	18,762	131,482	DOE
Virginia:									
Center for Naval Analyses 4/	16,277	18,035	-	-	-	-	-	-	DOD/Navy
Continuous Electron Beam Acc	-	-	-	-	-	23,750	43,720	55,967	
West Virginia:									
National Radio Astron Obs	13,002	16,773	20,200	26,650	25,180	28,295	28,452	30,758	NSF
Puerto Rico:									
Nat Astr & Ionosphere Ctr 5/	5,236	6,425	7,220	7,170	6,850	6,865	-	-	NSF

1/ Federally funded research and development centers.

2/ As of FY 1984, the National Optical Astronomy Observatory incorporated three formerly separate FFRDCs -- Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly known as Sacramento Peak Observatory.)

3/ Includes sizable amounts subcontracted, principally to industrial firms.

4/ A nonprofit-administered FFRDC as of 1984 (See Table B-39.)

5/ In the category of university-administered FFRDCs of this report, data are not separately available for the National Astronomy and Ionosphere Center for fiscal years 1988 and 1989; they were included with the totals for the Center's sponsor, Cornell University.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-32. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities and colleges by agency and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Agency	Total obligations	Research and development	R&D plant 2/	Fellowships, traineeships, & training grants	Other science/ engineering activities
Total	4,019,518	3,525,564	459,724	628	33,602
Department of Agriculture	493	493	0	0	0
Department of Commerce	801	284	50	0	467
Department of Defense, total	405,299	405,299	0	0	0
Army	0	0	0	0	0
Navy	2,967	2,967	0	0	0
Air Force	379,002	379,002	0	0	0
Other DOD	23,330	23,330	0	0	0
Department of Education	0	0	0	0	0
Department of Energy	2,550,385	2,098,968	448,645	343	2,429
Environmental Protection Agency	0	0	0	0	0
Department of Health & Human Services	29,203	28,154	0	285	764
National Institutes of Health	28,639	27,590	0	285	764
Health Resources and Services Administration	0	0	0	0	0
Alcohol, Drug Abuse, and Mental Health Administration	554	554	0	0	0
Centers for Disease Control	0	0	0	0	0
Food and Drug Administration	10	10	0	0	0
Office of Human Development Services	0	0	0	0	0
Health Care Financing Administration	0	0	0	0	0
Social Security Administration	0	0	0	0	0
Office of the Assistant Secretary for Health	0	0	0	0	0
Other DHHS	0	0	0	0	0
Department of Housing and Urban Development	0	0	0	0	0
Department of the Interior	0	0	0	0	0
Agency for International Development	0	0	0	0	0
Department of Labor	0	0	0	0	0
National Aeronautics and Space Administration	929,125	918,096	11,029	0	0
National Science Foundation	104,112	74,170	0	0	29,942
Nuclear Regulatory Commission	0	0	0	0	0
Department of Transportation	100	100	0	0	0

1/ Federally funded research and development centers.

2/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-33. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities & colleges by State, institution, agency, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

State, institution, and agency providing funds	Total obligations	Research and development	R&D plant 2/	Fellowships, traineeships, & training grants	Other science/ engineering activities	Administered by
United States, total	4,019,518	3,525,564	459,724	628	33,602	
Arizona						
Nat Optical Astron Observ 3/						Assoc of Univ for Res in Astronomy
NSF	24,028	23,980	0	0	48	
California						
Jet Propulsion Laboratory 4/	929,423	918,394	11,029	0	0	California Institute of Tech
DOE	250	250	0	0	0	
NASA	929,125	918,096	11,029	0	0	
NSF	48	48	0	0	0	
Lawrence Berkeley Lab	185,313	141,042	43,575	345	351	University of California
Com	30	30	0	0	0	
DOE	173,607	129,768	43,575	60	204	
HHS	11,607	11,175	0	285	147	
NSF	69	69	0	0	0	
Lawrence Livermore Lab	629,003	543,996	84,739	0	268	University of California
Com	10	10	0	0	0	
DOD	2,967	2,967	0	0	0	
DOE	623,736	538,997	84,739	0	0	
HHS	2,257	1,989	0	0	268	
NSF	33	33	0	0	0	
Stanford Linear Accel Ctr	136,049	110,039	26,010	0	0	Stanford University
DOE	134,757	108,747	26,010	0	0	
HHS	1,292	1,292	0	0	0	
Colorado						
Nat Ctr for Atmos Res 3/						Univ Corp for Atmospheric Research
NSF	48,197	48,197	0	0	0	
Illinois						
Argonne National Lab 5/	248,750	212,627	35,282	0	841	Univ of Chicago and Argonne Universities Assoc
DOE	247,174	211,162	35,282	0	730	
HHS	1,231	1,120	0	0	111	
NSF	345	345	0	0	0	
Fermilab 3/	202,504	160,437	42,067	0	0	University Research Assoc
DOE	202,470	160,403	42,067	0	0	
NSF	34	34	0	0	0	
Iowa						
Ames Laboratory						Iowa State Univ of Sci & Tech
DOE	20,290	17,419	2,871	0	0	
Massachusetts						
Lincoln Laboratory						Mass Inst of Technology
DOD	379,002	379,002	0	0	0	
New Jersey						
Plasma Physics Laboratory						Princeton University
DOE	97,641	90,480	7,161	0	0	
New Mexico						
Los Alamos Scientific Lab	621,722	513,743	106,687	0	1,292	University of California
DOE	615,895	508,013	106,687	0	1,195	
HHS	5,808	5,711	0	0	97	
NSF	19	19	0	0	0	

See explanatory material at end of table.

(Continued)

Table B-33. -- Federal science/engineering obligations to FFRDCs 1/ administered by universities & colleges by State, institution, agency, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

State, institution, and agency providing funds	Total obligations	Research and development	R&D plant 2/	Fellowships, traineeships, & training grants	Other science/ engineering activities	Administered by
New York						
Brookhaven National Lab 3/	256,059	206,671	49,094	0	294	Associated Universities, Inc.
USDA	350	350	0	0	0	
Com	205	107	50	0	48	
DOE	248,401	199,232	49,044	0	125	
HHS	6,422	6,301	0	0	121	
NSF	581	581	0	0	0	
DOT	100	100	0	0	0	
Pennsylvania						
Software Eng Institute						
DOD	23,330	23,330	0	0	0	
Tennessee						
Oak Ridge Associated Univ 3/	131,482	124,876	5,709	283	614	Oak Ridge Assoc Universities
USDA	143	143	0	0	0	
Com	556	137	0	0	419	
DOE	130,197	124,030	5,709	283	175	
HHS	586	566	0	0	20	
Virginia						
Cont Electron Beam Acc 3/						
DOE	55,967	10,467	45,500	0	0	Southeastern Univ Res Assoc
West Virginia						
Nat Radio Astron Observ 3/						
NSF	30,758	864	0	0	29,894	Associated Universities, Inc.

1/ Federally funded research and development centers.

2/ See Technical Notes, scope of survey.

3/ One of six centers administered by university consortia.

4/ Includes sizeable amounts subcontracted, principally to industrial firms.

5/ Administered by both university and consortium.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 13)

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	2,078,415	7,072	16,871	550,615	22,539	122,533	37,331	1,054,416	974	103,010	135,993	27,061
New England, total	517,487	9	688	130,562	2,254	1,956	5,707	338,987	27	14,767	14,823	7,707
Connecticut, total	7,127	0	0	109	0	605	72	5,320	0	0	1,021	0
Danbury Hosp	11	0	0	0	0	0	0	11	0	0	0	0
Energy Research Corp	600	0	0	0	0	600	0	0	0	0	0	0
Hartford Hospital	122	0	0	0	0	0	0	122	0	0	0	0
Haskins Laboratories Inc	2,457	0	0	0	0	0	0	2,342	0	0	115	0
Human Relations Area File	127	0	0	0	0	0	0	0	0	0	127	0
John B Pierce Fdn of Conn	2,161	0	0	109	0	0	72	1,980	0	0	0	0
Project Oceanology	212	0	0	0	0	0	0	0	0	0	212	0
Societal Inst of Math Sci	597	0	0	0	0	5	0	592	0	0	0	0
St Francis Hosp & Med	273	0	0	0	0	0	0	273	0	0	0	0
Thames Science Center	487	0	0	0	0	0	0	0	0	0	487	0
Yale Southern Observa,Inc	80	0	0	0	0	0	0	0	0	0	80	0
Maine, total	13,441	0	0	438	0	132	0	11,032	27	329	1,483	0
Eastern Maine Med Ctr	94	0	0	0	0	0	0	94	0	0	0	0
Fdn Blood Research	233	0	0	0	0	0	0	233	0	0	0	0
Jackson Lab	10,600	0	0	0	0	132	0	10,321	0	0	147	0
Maine Audubon Society	212	0	0	0	0	0	0	0	0	0	212	0
Maine Medical Center	106	0	0	0	0	0	0	106	0	0	0	0
Mt Desert Island Biol Lab	347	0	0	0	0	0	0	278	0	0	69	0
N E Rsch Fdn	1,827	0	0	438	0	0	0	0	27	329	1,033	0
The Acadia Institute	22	0	0	0	0	0	0	0	0	0	22	0
Massachusetts, total	482,921	4	688	129,855	2,254	1,209	5,588	309,996	0	14,409	11,213	7,705
Amer Acad of Arts & Sci	550	0	0	0	0	0	0	0	0	0	550	0
Amer Assoc Varble Star Ob	31	0	0	0	0	0	0	0	0	31	0	0
Amer Meteorological Soc	179	0	0	0	0	5	54	0	0	0	120	0
Berkshire Med Ctr	500	0	0	0	0	0	0	500	0	0	0	0
Beth Israel Hospital	15,684	0	0	0	0	0	0	15,629	0	55	0	0
Boston Biomed Res Inst	4,384	0	0	0	0	0	0	4,149	0	0	235	0
Boston Mental Hlth Fdn	260	0	0	0	0	0	0	260	0	0	0	0
Brigham and Women's Hosp	59,894	0	0	0	0	0	399	59,495	0	0	0	0
Center Plant Conservation	22	4	0	0	0	0	0	0	0	0	18	0
Children's Hospital	23,366	0	0	0	0	0	0	23,136	0	140	90	0
Childrens Museum Boston	183	0	0	0	0	0	0	0	0	0	183	0
Ctr for Blood Research	6,662	0	0	0	0	0	0	6,662	0	0	0	0
Ctr Hlth Economic Rsch	1,267	0	0	0	0	0	0	1,267	0	0	0	0
Dana-Farber Cancer Inst	41,799	0	0	0	0	0	0	41,507	0	0	292	0
Draper Laboratories	142,685	0	0	129,064	0	0	0	0	0	13,466	155	0
Education Development Ctr	2,460	0	0	0	0	0	0	211	0	0	2,249	0
Ek Shriver Ctr Ment Ret	5,612	0	0	0	0	0	0	5,612	0	0	0	0
Factory Mutual Research	508	0	108	0	0	400	0	0	0	0	0	0
Forsyth Dental Center	4,874	0	0	0	0	0	0	4,874	0	0	0	0
Frontier Sci & Tech R	1,552	0	0	0	0	0	0	1,552	0	0	0	0
Health Effects Institute	5,000	0	0	0	0	0	5,000	0	0	0	0	0
Hebrew Rehab Center	1,397	0	0	0	0	0	0	1,397	0	0	0	0
Human Serv Rsch Inst	181	0	0	0	0	0	0	181	0	0	0	0
Inst for Scient Rsch Inc	55	0	0	0	0	0	0	0	0	0	55	0
Joslin Diabetes Fdn Inc	4,129	0	0	0	0	0	0	4,129	0	0	0	0
Lahey Clinic Fdn	334	0	0	0	0	0	0	334	0	0	0	0
Maria Mitchell Observ	37	0	0	0	0	0	0	0	0	0	37	0
Marine Biological Lab	2,238	0	0	154	0	15	0	2,009	0	60	0	0
Mass Eye & Ear Infirmary	6,322	0	0	0	0	0	0	6,277	0	45	0	0
Mass General Hospital	56,838	0	0	228	0	193	0	56,378	0	39	0	0
Mass Health Research Inst	799	0	0	0	0	0	0	799	0	0	0	0
Mclean Hospital	10,444	0	0	0	0	0	0	10,394	0	0	50	0
Mitre Corporation	9,105	0	0	0	0	0	0	1,162	0	573	0	7,370
Museum of Science	257	0	0	0	0	0	0	0	0	0	257	0
N Eng Deaconess Hospital	9,484	0	0	157	0	0	0	9,327	0	0	0	0
N Eng Med Ctr & Hospitals	19,887	0	0	0	0	596	0	19,291	0	0	0	0
Natl Bureau Econ Rsch Inc	4,608	0	0	0	0	0	0	1,361	0	0	2,939	308
New England Aquarium Corp	216	0	0	0	0	0	0	0	0	0	216	0
New England Fish Dev Fdn	580	0	580	0	0	0	0	0	0	0	0	0
North Charles Mental Hlth	1,292	0	0	0	0	0	0	1,267	0	0	0	25
NE Radio Observatory Ctr	1,402	0	0	0	0	0	0	0	0	0	1,402	0
Operation Able	2	0	0	0	0	0	0	0	0	0	0	2
Peter Bent Brigham Hosp	80	0	0	0	0	0	0	0	0	0	80	0
Retina Found	6,342	0	0	247	0	0	0	6,095	0	0	0	0
School for Field Studies	40	0	0	0	0	0	0	0	0	0	40	0
Society of Genrl Physiol	10	0	0	5	0	0	0	0	0	0	5	0
St Elizabeth's Hospital	1,649	0	0	0	0	0	0	1,649	0	0	0	0
St Vincent Hospital	128	0	0	0	0	0	0	128	0	0	0	0
Tech Ed Rsch Ctr	1,739	0	0	0	0	0	0	0	0	0	1,739	0
The Regnl Lab Educ Improve	2,254	0	0	0	2,254	0	0	0	0	0	0	0
University Hospital	4,842	0	0	0	0	0	0	4,842	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Massachusetts, cont'd												
Whitehead Inst Biomed	8,239	0	0	0	0	0	0	8,231	0	0	8	0
Woods Hole Research C	263	0	0	0	0	0	135	0	0	0	128	0
Worcester Fdn Exp Bio	10,130	0	0	0	0	0	0	9,891	0	0	239	0
WGBH Educational Fdn	126	0	0	0	0	0	0	0	0	0	126	0
New Hampshire, total	51	0	0	0	0	0	0	50	0	0	0	1
Cottage Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Success (Wm Entrepreneur)	1	0	0	0	0	0	0	0	0	0	0	1
Rhode Island, total	13,379	5	0	160	0	10	0	12,435	0	29	739	1
Amer Mathematical Society	474	0	0	8	0	0	0	0	0	0	466	0
Assoc for Symbolic Logic	56	0	0	0	0	0	0	0	0	0	56	0
Butler Hospital	230	0	0	0	0	0	0	230	0	0	0	0
Dorcas Place	1	0	0	0	0	0	0	0	0	0	0	1
Emma Pendleton Brdly	794	0	0	0	0	0	0	794	0	0	0	0
Gordon Rsch Conferences	352	5	0	152	0	10	0	0	0	0	185	0
Memorial Hosp-Pawtucket	3,720	0	0	0	0	0	0	3,720	0	0	0	0
Miriam Hospital	1,086	0	0	0	0	0	0	1,057	0	29	0	0
Rhode Island Hospital	2,622	0	0	0	0	0	0	2,590	0	0	32	0
Roger Williams Gen Hosp	3,688	0	0	0	0	0	0	3,688	0	0	0	0
Women & Infants Hp of	356	0	0	0	0	0	0	356	0	0	0	0
Vermont, total	568	0	0	0	0	0	47	154	0	0	367	0
Copley Hospital	44	0	0	0	0	0	0	44	0	0	0	0
Inst Med Rsch Bennington	47	0	0	0	0	0	47	0	0	0	0	0
Natl Gardening Assoc	367	0	0	0	0	0	0	0	0	0	367	0
Rutland Regional Med Ctr	110	0	0	0	0	0	0	110	0	0	0	0
Middle Atlantic, total	303,520	614	1,088	14,499	3,296	3,409	1,079	205,693	2	2,875	70,592	373
New Jersey, total	20,314	15	1,008	177	0	0	0	5,189	0	0	13,924	1
Botanical Soc of Amer	2	0	0	0	0	0	0	0	0	0	2	0
Carrier Clinic Fdn	413	0	0	0	0	0	0	413	0	0	0	0
Consortium for Sci Comput	13,075	0	0	0	0	0	0	0	0	0	13,075	0
Coriell Inst for Med Rsch	1,756	0	0	0	0	0	0	1,756	0	0	0	0
Ctr Molecular Med&Imm	2,817	0	0	0	0	0	0	2,817	0	0	0	0
Educational Testing Srvc	275	0	0	177	0	0	0	0	0	0	98	0
Mackensack Hosp	118	0	0	0	0	0	0	118	0	0	0	0
New Jersey Marine Sci Con	883	0	883	0	0	0	0	0	0	0	0	0
NJ Bus Sci Ed Consortium	193	0	0	0	0	0	0	0	0	0	193	0
Overlook Hospital	85	0	0	0	0	0	0	85	0	0	0	0
Polymer Processing Inst	125	0	125	0	0	0	0	0	0	0	0	0
Princeton Univ Press	138	0	0	0	0	0	0	0	0	0	138	0
Textile Research Inst	15	15	0	0	0	0	0	0	0	0	0	0
W Wilson Natl Fellowship	418	0	0	0	0	0	0	0	0	0	418	0
Women's Rights Info Ctr	1	0	0	0	0	0	0	0	0	0	0	1
New York, total	183,915	599	0	12,802	216	826	798	125,238	0	2,638	40,684	114
Am Inst of Aeron & Astron	2,566	0	0	22	0	0	0	0	0	2,540	0	4
Amer Assoc-Physics Tchrs	166	0	0	10	0	0	0	0	0	0	156	0
Amer Cncl - Learned Soc	77	0	0	0	0	0	0	0	0	0	77	0
Amer Inst of Physics	917	0	0	0	0	25	0	0	0	0	892	0
Amer Museum of Natl Hist	601	0	0	0	0	0	0	0	0	98	503	0
Amer Natl Standards Inst	10	0	0	0	0	10	0	0	0	0	0	0
Amer Soc for Cell Biology	59	0	0	0	0	0	0	0	0	0	59	0
Amer Soc of Civil Eng	114	0	0	0	0	0	0	0	0	0	114	0
Amer Soc of Mech Eng	36	0	0	0	0	0	0	0	0	0	36	0
American Hlth Fdn Inc	11,780	0	0	0	0	0	0	11,780	0	0	0	0
American Society Mech Eng	8	0	0	0	0	0	0	0	0	0	8	0
Assn Rsch Vision & Ophth	25	0	0	0	0	0	0	25	0	0	0	0
Assoc for Computing Mach	36	0	0	0	0	0	0	0	0	0	36	0
B Thompson Inst Plant Res	1,137	599	0	0	0	0	181	10	0	0	347	0
Beth Israel Medical Ctr	1,343	0	0	0	0	0	0	1,343	0	0	0	0
Bronx Educational Service	55	0	0	0	55	0	0	0	0	0	0	0
Bronx-Lebanon Hospital Ct	460	0	0	0	0	0	0	460	0	0	0	0
Brookdale Hospital Center	242	0	0	0	0	0	0	242	0	0	0	0
Burke Rehab Ctr	1,171	0	0	0	0	0	0	1,171	0	0	0	0
Cathlc Med C Brklyn & Qns	1,084	0	0	0	0	0	0	1,084	0	0	0	0
Child Hosp of Buffalo	259	0	0	0	0	0	0	259	0	0	0	0
Childrens TV Workshop	6,220	0	0	0	0	0	0	0	0	0	6,220	0
Cold Spring Harbor Lab	13,447	0	0	21	0	9	45	12,683	0	0	689	0
Cuba Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Disp Homemkr Multi-Serv	1	0	0	0	0	0	0	0	0	0	0	1
Displaced Homemaker Ctr	2	0	0	0	0	0	0	0	0	0	0	2

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Dosecc, Inc	1,453	0	0	0	0	0	0	0	0	0	1,453	0
Educ Broadcasting Corp	500	0	0	0	0	0	0	0	0	0	500	0
Educational Support Systm	55	0	0	0	55	0	0	0	0	0	0	0
Everywoman Oppty Center	1	0	0	0	0	0	0	0	0	0	0	1
Genesee Hospital	361	0	0	0	0	0	0	361	0	0	0	0
Health Research Inc.	1,093	0	0	512	0	0	0	0	0	0	581	0
Helen Keller Natl Ctr Def	48	0	0	0	48	0	0	0	0	0	0	0
Hist of Science Society	12	0	0	0	0	0	0	0	0	0	12	0
Hosp for Special Surgery	2,763	0	0	0	0	0	0	2,763	0	0	0	0
Hosp Joint Dis Ortho	1,212	0	0	0	0	0	0	1,212	0	0	0	0
Humanalysis Inc	80	0	0	0	0	0	0	80	0	0	0	0
Impact II	58	0	0	0	58	0	0	0	0	0	0	0
Industrial Mgmt Council	176	0	0	0	0	0	0	0	0	0	176	0
Inst for Dev Anthropol	33	0	0	0	0	0	0	0	0	0	33	0
Inst for Hormone Research	248	0	0	0	0	0	0	248	0	0	0	0
Inst of Elec Engrs Inc	128	0	0	62	0	15	0	0	0	0	45	6
Joint Ocean Insts Inc	26,213	0	0	0	0	0	0	0	0	0	26,213	0
Juvenile Diabetes Fdn	27	0	0	0	0	0	0	27	0	0	0	0
Long Isl Jewish Hillside	3,845	0	0	0	0	0	0	3,845	0	0	0	0
Maimonides Medical Center	82	0	0	0	0	0	0	82	0	0	0	0
Manhattan Eye/Ear/Throat	147	0	0	0	0	0	0	147	0	0	0	0
Mary Imogene Basset Hosp	1,046	0	0	0	0	0	0	1,046	0	0	0	0
Masonic Medical Rsch Lab	442	0	0	0	0	0	0	442	0	0	0	0
Medical Res Fnd Buffalo	2,141	0	0	0	0	0	0	1,905	0	0	236	0
Metropolitan Museum Art	23	0	0	0	0	0	0	0	0	0	23	0
Montefiore Hosp & Med Ctr	9,260	0	0	0	0	0	0	9,260	0	0	0	0
Mount Sinai Hospital	227	0	0	0	0	0	0	227	0	0	0	0
Narcotics & Drug Rch Inst	4,113	0	0	0	0	0	0	4,113	0	0	0	0
National Cncl Jewish Wmn	48	0	0	0	0	0	0	0	0	0	0	48
National Urban League	255	0	0	0	0	0	0	0	0	0	253	2
Natl Cncl Rsch On Women	10	0	0	0	0	0	0	0	0	0	0	10
Natl Cngr Neihborhood Wmn	15	0	0	0	0	0	0	0	0	0	0	15
Natl Executive Serv Corps	122	0	0	0	0	0	0	0	0	0	122	0
New York Blood Center	4,088	0	0	570	0	0	0	3,518	0	0	0	0
New York Botanical Garden	783	0	0	0	0	44	0	0	0	0	739	0
North Shore Univ Hosp	2,488	0	0	0	0	0	0	2,488	0	0	0	0
NY Academy of Science	153	0	0	10	0	0	0	0	0	0	143	0
Population Council	3,205	0	0	0	0	0	0	3,205	0	0	0	0
Presbyterian Hosp In NY	1,482	0	0	0	0	0	0	1,482	0	0	0	0
Public Health Res Inst	4,920	0	0	394	0	0	0	4,296	0	0	230	0
Riverside Res Inst	10,738	0	0	9,830	0	0	0	908	0	0	0	0
Rochester St Mary's Hosp	149	0	0	0	0	0	0	149	0	0	0	0
Sloan-Kettering Cancer Rs	44,595	0	0	477	0	723	0	43,055	0	0	340	0
Social Science Rsch Cncl	141	0	0	0	0	0	0	0	0	0	141	0
St Luke's Hospital Center	2,724	0	0	0	0	0	0	2,659	0	0	65	0
St Luke's Inst for Health	3,872	0	0	0	0	0	0	3,872	0	0	0	0
St Vincent's Hosp&Med Ctr	78	0	0	0	0	0	0	78	0	0	0	0
Syracuse Research Corp	1,509	0	0	864	0	0	537	57	0	0	51	0
The Labor Institute, Inc.	25	0	0	0	0	0	0	0	0	0	0	25
Tri-County Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Trudeau Institute Inc	985	0	0	0	0	0	0	985	0	0	0	0
United Engineering Trusts	229	0	0	30	0	0	35	0	0	0	164	0
W Alton Jones Cell Sc Ctr	3,402	0	0	0	0	0	0	3,402	0	0	0	0
Winthrop Univ Hosp	169	0	0	0	0	0	0	169	0	0	0	0
Women's Action Alliance	27	0	0	0	0	0	0	0	0	0	27	0
Pennsylvania, total	99,291	0	80	1,520	3,080	2,583	281	75,266	2	237	15,984	258
Acad Natural Sci of Phil	828	0	0	0	0	0	0	0	0	0	828	0
Albert Einstein Med Ctr	381	0	0	0	0	0	0	381	0	0	0	0
Allegheny Electric Coop	25	0	0	0	0	25	0	0	0	0	0	0
Allegheny Singer Rsch	1,070	0	0	0	0	0	0	1,070	0	0	0	0
Amer Institutes for Res	2,235	0	0	1,113	0	0	0	982	0	0	140	0
Amer Soc of Ichthyolog.	20	0	0	0	0	0	0	0	0	0	20	0
Amer Soc Testing & Matrls	84	0	0	0	0	0	81	0	0	0	0	3
Bituminous Coal Res, Inc	2	0	0	0	0	0	0	0	2	0	0	0
Carnegie Inst of Pitts	95	0	0	0	0	0	0	0	0	0	95	0
Charles Cole Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Child Hosp of Phila	11,619	0	0	0	0	0	0	11,619	0	0	0	0
Child Hosp of Pittsburgh	3,749	0	0	0	0	0	0	3,749	0	0	0	0
Council Chemical Rsch Inc	10	0	0	0	0	0	0	0	0	0	10	0
D Guthrie Fdn Med Res	162	0	0	0	0	0	0	162	0	0	0	0
Eye & Ear Hosp - Pittsbgh	1,687	0	0	0	0	0	0	1,687	0	0	0	0
Eye & Ear Inst Pittsburgh	560	0	0	0	0	0	0	560	0	0	0	0
Fox Chase Cancer Center	8,796	0	0	0	0	0	0	8,499	0	0	297	0
Franklin Inst	978	0	0	0	0	0	0	0	0	0	978	0
Gessinger Medical Center	841	0	0	0	0	0	0	841	0	0	0	0
Good Samaritan Hospital	792	0	0	0	0	792	0	0	0	0	0	0
Graduate Hosp	1,128	0	0	0	0	0	0	1,128	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Pennsylvania, cont'd												
Inst for Cancer Research	505	0	0	0	0	0	0	0	0	0	505	0
Lankenau Hospital	145	0	0	0	0	0	0	145	0	0	0	0
Lankenau Med Rsch Center	119	0	0	0	0	0	0	119	0	0	0	0
Magee Women's Hosp	992	0	0	0	0	0	0	992	0	0	0	0
Materials Research Soc	111	0	0	92	0	10	0	0	0	0	9	0
Mercy Catholic Med Ctr	2,755	0	0	0	0	0	0	2,755	0	0	0	0
Marcy Hosp/Scrantor	125	0	0	0	0	0	0	125	0	0	0	0
Monell Chem Senses Cntr	2,875	0	0	0	0	0	0	2,596	0	0	279	0
Montefiore Hospital	995	0	0	0	0	0	0	995	0	0	0	0
Moss Rehabilitation Hosp	54	0	0	0	0	0	0	54	0	0	0	0
MPC Corp	12,520	0	0	0	0	0	0	1,442	0	0	11,078	0
Nat'l Disease Rsch In	1,145	0	0	0	0	0	0	1,145	0	0	0	0
OIC	1	0	0	0	0	0	0	0	0	0	0	1
Paths/Prism	1,399	0	0	0	0	0	0	0	0	0	1,399	0
Pennsylvania Hospital	952	0	0	0	0	0	0	952	0	0	0	0
Philadelphia Geriatrc Ctr	3,577	0	0	0	0	0	0	3,567	0	0	10	0
Philadelphia Psychiatric	299	0	0	0	0	0	0	299	0	0	0	0
Presbyterian - Univ Hosp	394	0	0	0	0	0	0	394	0	0	0	0
Primak Educat Foundation	65	0	0	0	65	0	0	0	0	0	0	0
Prsbytn Univ Penn Med Ctr	1,356	0	0	0	0	0	0	1,356	0	0	0	0
Public/Private Ventures	250	0	0	0	0	0	0	0	0	0	0	250
Res for Better Schs Inc	3,015	0	0	0	3,015	0	0	0	0	0	0	0
Siam Inst-Math & Society	48	0	0	0	0	0	0	0	0	0	48	0
Society of Automotive Eng	396	0	80	315	0	0	0	0	0	0	0	1
Society Indstrl App M	59	0	0	0	0	19	0	0	0	0	40	0
The Progm Female Offenders	3	0	0	0	0	0	0	0	0	0	0	3
Troy Community Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Univ City Science Center	7,191	0	0	0	0	1,737	200	5,017	0	237	0	0
Weis Center for Research	130	0	0	0	0	0	0	112	0	0	18	0
Wills Eye Hospital	667	0	0	0	0	0	0	667	0	0	0	0
Wistar Institute	21,986	0	0	0	0	0	0	21,756	0	0	230	0
East North Central, total	234,551	140	894	129,013	2,606	16,399	9,902	65,279	0	4,646	5,446	226
Illinois, total	123,122	55	140	81,361	2,606	14,991	1,136	18,409	0	68	4,137	219
Amer Dental Assoc Hlth	1,561	0	0	0	0	0	0	1,561	0	0	0	0
Amer Public Works Assoc	175	0	0	0	0	0	175	0	0	0	0	0
American Bar Foundation	27	0	0	0	0	0	0	0	0	0	27	0
American Foundrymen Soc	408	0	0	0	0	408	0	0	0	0	0	0
American Nuclear Society	40	0	0	0	0	40	0	0	0	0	0	0
American Planning Assoc	15	0	0	0	0	0	15	0	0	0	0	0
Bolingbrook Disp Homemkr	1	0	0	0	0	0	0	0	0	0	0	1
Carle Foundation Hosp	85	0	0	0	0	0	0	0	0	0	85	0
Chicago Women In Trades	17	0	0	0	0	0	0	0	0	0	0	17
Child Memorial Hospital	1,656	0	0	0	0	0	0	1,656	0	0	0	0
Council for Adv Sci Writ	112	0	0	0	0	0	0	0	0	0	112	0
Dairy Research Inc	200	0	0	0	0	200	0	0	0	0	0	0
Evanston Hospital	487	0	0	0	0	0	0	487	0	0	0	0
Field Museum Natural Hist	1,499	0	0	0	0	0	0	0	0	17	1,482	0
Friends of Fermilab Assc	260	0	0	0	0	0	0	0	0	0	260	0
Hrlan Moore Heart Res	40	40	0	0	0	0	0	0	0	0	0	0
Illinois Masonic Med Ctr	129	0	0	0	0	0	0	129	0	0	0	0
Illinois State Museum	28	0	0	0	0	0	0	0	0	0	28	0
Ingalls Mem Hospital	186	0	0	0	0	0	0	186	0	0	0	0
Inst of Gas Technology	8,344	0	0	169	0	8,175	0	0	0	0	0	0
Inventors Council	40	0	0	0	0	40	0	0	0	0	0	0
IIT Research Institute	91,856	0	0	81,089	0	6,074	744	3,815	0	51	0	83
Mchl Reese Hosp & Med Ctr	2,066	0	0	0	0	0	0	2,066	0	0	0	0
Methodist Hospital-Peoria	152	0	0	0	0	0	0	152	0	0	0	0
Museum of Sci & Industry	54	0	0	0	0	54	0	0	0	0	0	0
Nat Opinion Research Ctr	3,572	0	0	103	0	0	0	1,344	0	0	2,038	87
Natl Livestock & Meat Brd	15	15	0	0	0	0	0	0	0	0	0	0
Natl Safety Council	232	0	0	0	0	0	202	0	0	0	0	30
North Central Reg Educ Lab	2,606	0	0	0	2,606	0	0	0	0	0	0	0
Northwestern Mem Hospital	445	0	0	0	0	0	0	445	0	0	0	0
Parkside Lutheran Hosp	88	0	0	0	0	0	0	88	0	0	0	0
Rehab Inst of Chicago	794	0	0	0	0	0	0	794	0	0	0	0
Rush Prsbytrn/St Lks	5,791	0	0	0	0	0	0	5,686	0	0	105	0
The Ctr for Great Lakes	140	0	140	0	0	0	0	0	0	0	0	0
YWCA of Metro Chicago	1	0	0	0	0	0	0	0	0	0	0	1
Indiana, total	1,200	13	0	0	0	0	0	105	0	1,082	0	0
Conservation Tillage Info	13	13	0	0	0	0	0	0	0	0	0	0
Indianapls Ctr Adv Rsch	1,056	0	0	0	0	0	0	0	0	1,056	0	0
Methodist Hosp of Indiana	105	0	0	0	0	0	0	105	0	0	0	0
Natl Cons Grad Eng Min	26	0	0	0	0	0	0	0	0	26	0	0

See explanatory material at end of table.

(Continued)

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Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Michigan, total	31,121	0	0	12,545	0	99	0	16,690	0	1,435	352	0
Blodgett Memorial Med Ctr	184	0	0	0	0	0	0	184	0	0	0	0
Borgess Med Center	107	0	0	0	0	0	0	107	0	0	0	0
Butterworth Hospital	192	0	0	0	0	0	0	192	0	0	0	0
Charlevoix Hospital	43	0	0	0	0	0	0	43	0	0	0	0
Child Hosp of Michigan	435	0	0	0	0	0	0	435	0	0	0	0
Environmental Res Inst	13,773	0	0	12,338	0	0	0	0	0	1,435	0	0
Henry Ford Hospital	8,656	0	0	110	0	0	0	8,546	0	0	0	0
Impression 5 Museum	183	0	0	0	0	0	0	0	0	0	183	0
Industrial Tech Institute	181	0	0	97	0	0	0	0	0	0	84	0
Mercy Hospital - Grayling	50	0	0	0	0	0	0	50	0	0	0	0
Michigan Biotech Inst	99	0	0	0	0	99	0	0	0	0	0	0
Michigan Cancer Fdn	5,717	0	0	0	0	0	0	5,717	0	0	0	0
Michigan Molecular Inst	50	0	0	0	0	0	0	0	0	0	50	0
Paul Oliver Memorial Hosp	45	0	0	0	0	0	0	45	0	0	0	0
Providence Hospital-Mich	270	0	0	0	0	0	0	270	0	0	0	0
Sinai Hospital of Detroit	596	0	0	0	0	0	0	596	0	0	0	0
Society Manufacturing Eng	35	0	0	0	0	0	0	0	0	0	35	0
William Beaumont Hospital	505	0	0	0	0	0	0	505	0	0	0	0
Ohio, total	75,070	72	754	35,107	0	1,019	8,766	26,393	0	2,061	895	3
Amer Conf Gov Indstrl Hyg	13	0	0	0	0	0	0	0	0	0	13	0
ASM International	18	0	18	0	0	0	0	0	0	0	0	0
Battelle Memorial Inst	51,666	0	736	34,911	0	1,019	8,575	4,364	0	2,061	0	0
Child Hosp of Columbus	1,335	0	0	0	0	0	0	1,335	0	0	0	0
Child Hosp Med Ctr Cincin	4,566	0	0	0	0	0	135	4,431	0	0	0	0
Children's First Child Cr	2	0	0	0	0	0	0	0	0	0	0	2
Cincinatti Museum Nat His	116	0	0	0	0	0	0	0	0	0	116	0
Cleveland Clinic Fdn	12,506	0	0	0	0	0	0	12,430	0	0	76	0
Cleveland Rsch Inst	265	0	0	0	0	0	0	265	0	0	0	0
Grant Hospital	207	0	0	0	0	0	0	207	0	0	0	0
Hipple Cncr Rsch Ctr	110	0	0	0	0	0	0	110	0	0	0	0
James N Gamble Inst Med	611	0	0	196	0	0	0	415	0	0	0	0
Kettering Medical Center	152	0	0	0	0	0	0	152	0	0	0	0
Lorain Cmty Hospital	2	0	0	0	0	0	0	2	0	0	0	0
Mt Sinai Hosp-Cleveland	879	0	0	0	0	0	0	879	0	0	0	0
National History Day, Inc	30	0	0	0	0	0	0	0	0	0	30	0
Natl Water Well Assoc	56	0	0	0	0	0	56	0	0	0	0	0
Ohio Agricultural R&D Ctr	72	72	0	0	0	0	0	0	0	0	0	0
Ohio's Ctr Sci & Industry	660	0	0	0	0	0	0	0	0	0	660	0
St Luke's Hosp-Unitd Meth	50	0	0	0	0	0	0	50	0	0	0	0
Universty Hosps-Clevelnd	1,753	0	0	0	0	0	0	1,753	0	0	0	0
YWCA of Cleveland, Ohio	1	0	0	0	0	0	0	0	0	0	0	1
Wisconsin, total	4,038	0	0	0	0	290	0	3,682	0	0	62	4
Adams Cnty Mem Hosp & Nrs	50	0	0	0	0	0	0	50	0	0	0	0
Cncl of Great Lakes Govrn	290	0	0	0	0	290	0	0	0	0	0	0
Madison Children's Museum	62	0	0	0	0	0	0	0	0	0	62	0
Marshfield Med Rsch Fdn	927	0	0	0	0	0	0	927	0	0	0	0
Memorial Hosp - Boscobel	50	0	0	0	0	0	0	50	0	0	0	0
Memorial Hosp - Iowa Cnty	50	0	0	0	0	0	0	50	0	0	0	0
Milwaukee Blood Center	1,355	0	0	0	0	0	0	1,355	0	0	0	0
Mt Sinai Medical Ctr Inc	1,066	0	0	0	0	0	0	1,066	0	0	0	0
St. Josephs Hosp Arcadia	39	0	0	0	0	0	0	39	0	0	0	0
St. Luke's Hosp Milwaukee	106	0	0	0	0	0	0	106	0	0	0	0
St. Mary's Hosp - Sparta	39	0	0	0	0	0	0	39	0	0	0	0
Wis Minority Wms Network	3	0	0	0	0	0	0	0	0	0	0	3
YWCA of Greater Milwaukee	1	0	0	0	0	0	0	0	0	0	0	1
West North Central, total	69,875	0	100	2,396	2,185	347	6,970	53,721	0	244	3,589	323
Iowa, total	176	0	0	0	0	0	0	176	0	0	0	0
Iowa Oncology Rsch Assn	176	0	0	0	0	0	0	176	0	0	0	0
Kansas, total	1,171	0	0	0	0	0	0	616	0	0	554	1
Menninger Foundation	272	0	0	0	0	0	0	272	0	0	0	0
Natl Assc Biology Teacher	554	0	0	0	0	0	0	0	0	0	554	0
Phillips County Hospital	50	0	0	0	0	0	0	50	0	0	0	0
St Francis Hosp/Wichi	294	0	0	0	0	0	0	294	0	0	0	0
Urban League of Wichita	1	0	0	0	0	0	0	0	0	0	0	1
Minnesota, total	42,458	0	100	2,053	0	0	0	38,912	0	0	1,393	0
Amherst H Wilden Fdn	115	0	0	0	0	0	0	115	0	0	0	0
Bakken Libr Electricity	169	0	0	0	0	0	0	0	0	0	169	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Minnesota, cont'd												
Children's Hosp-St Paul	540	0	0	0	0	0	0	540	0	0	0	0
Comm Memorial Hosp Winona	50	0	0	0	0	0	0	50	0	0	0	0
Cook County N Shore Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Kittson Memorial Hospital	47	0	0	0	0	0	0	47	0	0	0	0
Mayo Foundation	39,801	0	0	1,504	0	0	0	37,836	0	0	461	0
Minnesota Sci Teachers As	77	0	0	0	0	0	0	0	0	0	77	0
Personnel Decisions R	549	0	0	549	0	0	0	0	0	0	0	0
Science Museum Minnesota	686	0	0	0	0	0	0	0	0	0	686	0
Search Institute	274	0	0	0	0	0	0	274	0	0	0	0
William C. Norris Inst	100	0	100	0	0	0	0	0	0	0	0	0
Missouri, total	25,003	0	0	343	2,185	347	6,970	13,205	0	244	1,392	317
Baptist Med Ctr	144	0	0	0	0	0	0	144	0	0	0	0
Cancer Res Center	28	0	0	0	0	0	0	28	0	0	0	0
Central Inst for the Deaf	239	0	0	115	0	0	0	0	0	124	0	0
Central KC Bus&Prof Wmn	1	0	0	0	0	0	0	0	0	0	0	1
Children's Mercy Hp-K	64	0	0	0	0	0	0	64	0	0	0	0
Energy Task Frce Mgt Co	173	0	0	0	0	173	0	0	0	0	0	0
Jewish Hosp of St Louis	9,656	0	0	0	0	0	0	9,656	0	0	0	0
Midcontinent Reg Educ Lab	2,185	0	0	0	2,185	0	0	0	0	0	0	0
Midwest Research Inst	10,521	0	0	228	0	174	6,970	2,715	0	120	0	314
Missouri Botanical Garden	1,525	0	0	0	0	0	0	133	0	0	1,392	0
Missouri Lions Eye Rch Fd	138	0	0	0	0	0	0	138	0	0	0	0
St John's Reg'l Hlth	120	0	0	0	0	0	0	120	0	0	0	0
St Johns Mercy Med C	132	0	0	0	0	0	0	132	0	0	0	0
St Luke's Hosp-Kansas C	75	0	0	0	0	0	0	75	0	0	0	0
Urban League Greater KC	2	0	0	0	0	0	0	0	0	0	0	2
Nebraska, total	300	0	0	0	0	0	0	50	0	0	250	0
Beatrice Comm Hosp&Health	50	0	0	0	0	0	0	50	0	0	0	0
Nebraskans for Pub Tel In	250	0	0	0	0	0	0	0	0	0	250	0
North Dakota, total	582	0	0	0	0	0	0	578	0	0	0	4
Comm Action Dev Program	4	0	0	0	0	0	0	0	0	0	0	4
Comm Mem Hosp - Hettinger	50	0	0	0	0	0	0	50	0	0	0	0
Griggs County Hospital	47	0	0	0	0	0	0	47	0	0	0	0
Mercy Hospital Williston	50	0	0	0	0	0	0	50	0	0	0	0
Neuropsychiatric Inst	116	0	0	0	0	0	0	116	0	0	0	0
Pembina County Mem Hospit	50	0	0	0	0	0	0	50	0	0	0	0
St Luke's Hosp-Fargo	265	0	0	0	0	0	0	265	0	0	0	0
South Dakota, total	185	0	0	0	0	0	0	184	0	0	0	1
Baptist Hosptial Winner	21	0	0	0	0	0	0	21	0	0	0	0
Dakota Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Freeman Community Hosp	6	0	0	0	0	0	0	6	0	0	0	0
Gregory Community Hosp	15	0	0	0	0	0	0	15	0	0	0	0
Landmann Jungman Mem Hosp	6	0	0	0	0	0	0	6	0	0	0	0
Methodist Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Pioneer Memorial Hosptial	6	0	0	0	0	0	0	6	0	0	0	0
Rapid City Regional Hosp	56	0	0	0	0	0	0	56	0	0	0	0
Resource Center for Women	1	0	0	0	0	0	0	0	0	0	0	1
St. Benedict Hospital	6	0	0	0	0	0	0	6	0	0	0	0
St. Michael's Hospital	6	0	0	0	0	0	0	6	0	0	0	0
Wagner Comm Memorial Hosp	6	0	0	0	0	0	0	6	0	0	0	0
South Atlantic, total	314,408	1,036	5,031	71,155	3,221	62,532	10,179	82,148	910	46,797	18,752	12,647
Delaware, total	1,485	0	50	0	0	240	0	174	0	0	1,020	1
Actis Inc.	50	0	50	0	0	0	0	0	0	0	0	0
First State Older Wms Lg	1	0	0	0	0	0	0	0	0	0	0	1
Franklin Inst-Bartol Rsch	1,260	0	0	0	0	240	0	0	0	0	1,020	0
Medical Center Delaware	174	0	0	0	0	0	0	174	0	0	0	0
District of Columbia, total	151,819	150	2,782	29,125	0	55,292	5,434	14,821	815	15,867	15,716	11,817
Alliance to Save Energy	125	0	0	0	0	125	0	0	0	0	0	0
Am Col Nuclear Physicists	75	0	0	0	0	75	0	0	0	0	0	0
Amer Assoc-Advancmnt Sci	1,551	0	0	0	0	0	183	0	0	0	1,368	0
Amer Med Review Rsch Ctr	50	0	0	0	0	0	0	50	0	0	0	0
Amer Registry Pathology	46	0	0	0	0	0	0	0	0	0	46	0
Amer Soc for Microbiology	113	0	0	20	0	0	0	0	0	0	93	0
Amer Society-Engr Educ	13,457	0	0	13,110	0	0	0	0	0	0	347	0
Amer Sociological Assoc	20	0	0	0	0	0	0	0	0	0	20	0
Amer Statistical Assoc	1,328	0	0	0	0	46	0	0	0	0	1,282	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
District of Columbia, cont'd												
American Chemical Society	454	0	0	24	0	154	40	0	0	0	236	0
American Council On Educa	25	0	0	0	0	0	0	0	0	0	25	0
American Geophysicl Union	297	0	6	10	0	10	20	0	0	42	209	0
American Iron & Steel Ins	7,985	0	0	0	0	7,985	0	0	0	0	0	0
American Psychologl Assoc	149	0	0	0	0	0	0	0	0	0	149	0
Assn of American Railrds	9,218	0	0	0	0	0	0	0	0	0	0	9,218
Assoc of Science-Tech Cnt	106	0	0	0	0	0	0	0	0	0	106	0
Assoc Small Bus Dev Ctrs	127	0	127	0	0	0	0	0	0	0	0	0
Atlantic Cncl of the US	99	0	0	0	0	99	0	0	0	0	0	0
Atlantic St Marine Fisher	33	0	33	0	0	0	0	0	0	0	0	0
Brookings Institution	245	0	0	0	0	0	0	245	0	0	0	0
Carnegie Inst of Wash	3,086	100	0	0	0	5	0	1,566	0	282	1,133	0
Center for Marine Conserv	241	0	241	0	0	0	0	0	0	0	0	0
Chief State Schl Off	487	0	0	0	0	0	0	0	0	119	368	0
Children's Hosp Natl Med	1,958	0	0	0	0	0	0	1,958	0	0	0	0
Climate Institute	225	0	105	0	0	0	120	0	0	0	0	0
Commercial Vehicle Safety	96	0	0	0	0	0	0	0	0	0	0	96
Coneg Policy Rsch Cntr	385	0	0	0	0	335	50	0	0	0	0	0
Conservation Fdn	159	0	0	0	0	0	159	0	0	0	0	0
Corp Against Drug Abuse	133	0	0	0	0	0	0	0	0	0	0	133
Council Competitiveness	20	0	0	0	0	0	0	0	0	0	20	0
Displaced Homemakers Nwk	507	0	0	0	0	0	0	0	0	0	0	507
Environmental Law Inst	597	0	0	0	0	0	597	0	0	0	0	0
Gorgas Mem Inst Trpcl Med	556	0	0	231	0	0	0	325	0	0	0	0
Inst Educ Leadership	94	0	0	0	0	0	0	0	0	0	94	0
Int'l City Mangmnt Assoc	150	0	0	0	0	0	150	0	0	0	0	0
Joint Ctr Politcl Studies	24	0	0	0	0	0	0	24	0	0	0	0
Koba Institute	638	0	0	0	0	0	0	638	0	0	0	0
Math Assoc of America	56	0	0	14	0	0	0	0	0	0	42	0
Medlantic Health Care	500	0	0	0	0	0	0	500	0	0	0	0
Mortgage Bankers Assoc	77	0	0	0	0	0	0	0	0	0	0	77
Nat Fisheries Edu/Rsch Fd	1,943	0	1,943	0	0	0	0	0	0	0	0	0
Nat'l Academy of Sciences	62,559	50	28	14,368	0	21,794	2,209	2,182	815	14,105	6,919	89
National Alliance of Bus	2	0	0	0	0	0	0	0	0	0	0	2
National Governor's Assoc	1,006	0	0	0	0	0	881	0	0	0	115	10
National Public Radio	281	0	0	0	0	0	0	0	0	0	281	0
Natl Acad Public Admin	752	0	0	0	0	0	0	0	0	752	0	0
Natl Assc Commissions Wm	25	0	0	0	0	0	0	0	0	0	0	25
Natl Assc Reg Utlty Comms	135	0	0	0	0	135	0	0	0	0	0	0
Natl Assc St Consumer Adv	29	0	0	0	0	29	0	0	0	0	0	0
Natl Assn for Eq Opp H Ed	1,051	0	0	1,051	0	0	0	0	0	0	0	0
Natl Assoc Neighborhoods	15	0	0	0	0	0	0	0	0	0	0	15
Natl Biomedical Res Fdn	1,729	0	0	0	0	0	0	1,710	0	0	19	0
Natl Cncl Fish Vess Safet	229	0	229	0	0	0	0	0	0	0	0	0
Natl Cncl State Housing A	100	0	0	0	0	0	0	0	0	0	0	100
Natl Cncl Tchrs of Math	221	0	0	0	0	0	0	0	0	0	221	0
Natl Ctr for Neighb Ent	25	0	0	0	0	0	0	0	0	0	0	25
Natl Sci Teachers Assoc	2,695	0	0	0	0	0	0	0	0	567	2,128	0
Oceanography Society	15	0	0	0	0	0	0	0	0	0	15	0
Optical Soc of America	190	0	0	157	0	0	0	0	0	0	33	0
Potomac Inst Econ Rsch	10	0	0	0	0	0	0	0	0	0	0	10
Public Technology, Inc	70	0	0	0	0	0	70	0	0	0	0	0
Resources for Future Inc	618	0	43	0	0	0	575	0	0	0	0	0
Soc for Development Bio	6	0	0	0	0	0	0	0	0	0	6	0
Sport Fishing Institute	27	0	27	0	0	0	0	0	0	0	0	0
Student Pugwash USA	34	0	0	0	0	0	0	0	0	0	34	0
The Natl Learning Center	244	0	0	0	0	0	0	0	0	0	244	0
Universities Res Assoc	24,560	0	0	0	0	24,500	0	0	0	0	60	0
Urban Institute	7,064	0	0	0	0	0	223	5,381	0	0	0	1,460
US Global Strategy Cncl	50	0	0	0	0	0	0	0	0	0	0	50
Washington Hosp Ctr	382	0	0	140	0	0	0	242	0	0	0	0
World Resources Institute	260	0	0	0	0	0	157	0	0	0	103	0
Florida, total	5,575	220	1,922	0	0	425	0	2,679	0	0	329	0
Cedars Medical Center	85	0	0	0	0	0	0	85	0	0	0	0
Florida Keys Artificial R	39	0	39	0	0	0	0	0	0	0	0	0
Florida Solar Energy Ctr	425	0	0	0	0	425	0	0	0	0	0	0
Gulf & S Atl Fish Dev Fdn	105	0	105	0	0	0	0	0	0	0	0	0
Harbor Branch Oceo Inst	611	0	0	0	0	0	0	353	0	0	258	0
Laser Institute America	58	0	0	0	0	0	0	0	0	0	58	0
Marine Resources Devel Fd	338	0	338	0	0	0	0	0	0	0	0	0
Miami Heart Institute	136	0	0	0	0	0	0	136	0	0	0	0
Mote Marine Laboratory	13	0	0	0	0	0	0	0	0	0	13	0
Mt Sinai Hosp Med Ctr Fla	999	0	0	0	0	0	0	999	0	0	0	0
Penne Kamp Coral Reef Ins	10	0	10	0	0	0	0	0	0	0	0	0
Perry Foundation Inc	1,305	0	1,305	0	0	0	0	0	0	0	0	0
Southeastern Fish Assoc	125	0	125	0	0	0	0	0	0	0	0	0
Tampa Bay Rsch Inst Tech	1,326	220	0	0	0	0	0	1,106	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Georgia, total	4,464	0	0	120	0	4,110	0	226	0	0	0	8
Dolphus E Mlign Sci Rsch	98	0	0	0	0	0	0	98	0	0	0	0
Inst of Nuclear Power	3,055	0	0	0	0	3,055	0	0	0	0	0	0
National Alliance of Bus	3	0	0	0	0	0	0	0	0	0	0	3
R.J. Taylor Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Skidaway Inst of Ocean	1,102	0	0	120	0	982	0	0	0	0	0	0
Southern State Energy	73	0	0	0	0	73	0	0	0	0	0	0
St Joseph's Hosp-Atln	78	0	0	0	0	0	0	78	0	0	0	0
The Natl Cnfc Black Mayor	5	0	0	0	0	0	0	0	0	0	0	5
Maryland, total	49,453	12	202	1,548	0	777	432	18,632	0	27,371	177	302
Amer Assoc Immuolgst	66	0	0	0	0	0	0	66	0	0	0	0
Amer Type Culture Coll	2,342	12	0	0	0	316	0	2,014	0	0	0	0
Assn Univs Rsch & Astron	27,346	0	0	50	0	0	0	0	0	27,296	0	0
Bioelectromagnetics Soc	3	0	0	0	0	3	0	0	0	0	0	0
Chesapeake Rsch Consort	465	0	75	0	0	0	390	0	0	0	0	0
Fed Amer Soc Exper Biol	24	0	0	0	0	0	0	0	0	0	24	0
Friends of Psychiatr Res	2,938	0	0	0	0	0	0	2,938	0	0	0	0
H M Jackson Foundation	5,928	0	0	1,498	0	0	0	4,285	0	0	145	0
Johns Hopkins Hospital	205	0	0	0	0	205	0	0	0	0	0	0
JFK Inst Handicapped	3,602	0	0	0	0	0	0	3,602	0	0	0	0
Life Science Rsch Fdn	36	0	0	0	0	36	0	0	0	0	0	0
MD Medical Rsch Inst	4,327	0	0	0	0	0	0	4,327	0	0	0	0
Natl Ass Fam Caring Elder	7	0	0	0	0	0	0	0	0	0	0	7
Natl Assc Home Builders	25	0	0	0	0	0	0	0	0	0	0	25
Natl Cncl Rad Prot & Meas	334	0	0	0	0	217	42	0	0	75	0	0
Natl Public Srvc Rsch Ins	585	0	0	0	0	0	0	315	0	0	0	270
Pacific Inst Rsch&Eva	498	0	0	0	0	0	0	498	0	0	0	0
Sinai Hospital of Balto	54	0	0	0	0	0	0	54	0	0	0	0
Soc Advncmnt Chicanos&Nat	8	0	0	0	0	0	0	0	0	0	8	0
St. Joseph Hospital	191	0	0	0	0	0	0	191	0	0	0	0
Undersea and Hyperbaric M	127	0	127	0	0	0	0	0	0	0	0	0
Union Memorial Hospital	89	0	0	0	0	0	0	89	0	0	0	0
Univ Assoc Rsch/Ed - Path	253	0	0	0	0	0	0	253	0	0	0	0
North Carolina, total	64,447	0	0	10,133	1,355	436	4,313	44,554	0	3,059	80	517
Ashe Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Blowing Rock Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Human Ecolog Inst	1,326	0	0	0	0	0	0	1,326	0	0	0	0
Research Triangle Inst	61,663	0	0	10,133	0	436	4,313	43,128	0	3,059	77	517
Southern Growth Policies	3	0	0	0	0	0	0	0	0	0	3	0
SE Educ Improvement Lab	1,355	0	0	0	1,355	0	0	0	0	0	0	0
Virginia, total	34,591	0	75	30,229	0	1,252	0	1,010	95	500	1,430	0
Am Inst of Biological Sci	916	0	0	403	0	13	0	0	0	500	0	0
Amer Geological Inst	432	0	0	0	0	0	0	0	0	0	432	0
Amer Wind Energy Assoc	113	0	0	0	0	113	0	0	0	0	0	0
Analytic Services, Inc	28,475	0	0	28,475	0	0	0	0	0	0	0	0
Arch Rsch Ctr Consortium	58	0	0	0	0	0	0	0	0	0	58	0
Community Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Corp Natl Rsch Initiative	500	0	0	0	0	0	0	0	0	0	500	0
Council of St Sci Superv	10	0	0	0	0	0	0	0	0	0	10	0
Educational Film Center	188	0	0	0	0	0	0	0	0	0	188	0
Human Resources Res Org	1,351	0	0	1,351	0	0	0	0	0	0	0	0
Info Science Res Ins	905	0	0	0	0	0	0	905	0	0	0	0
Inst for Regulatory Sci	232	0	0	0	0	232	0	0	0	0	0	0
Natl Assc Biology Teacher	214	0	0	0	0	0	0	0	0	0	214	0
Natl Soc of Professnl Eng	75	0	75	0	0	0	0	0	0	0	0	0
Nature Conservancy	95	0	0	0	0	0	0	0	95	0	0	0
Roanoke Mem Hosps	55	0	0	0	0	0	0	55	0	0	0	0
US Export Cncl Renewable	132	0	0	0	0	132	0	0	0	0	0	0
VA Coop Extension Service	28	0	0	0	0	0	0	0	0	0	28	0
Waste Policy Institute	762	0	0	0	0	762	0	0	0	0	0	0
West Virginia, total	2,574	654	0	0	1,866	0	0	52	0	0	0	2
Appalachia Educ Lab	1,866	0	0	0	1,866	0	0	0	0	0	0	0
Charleston Area Med Ctr	52	0	0	0	0	0	0	52	0	0	0	0
Rock Forge Neighbrhd Hous	1	0	0	0	0	0	0	0	0	0	0	1
Spring & Groundwater Inst	654	654	0	0	0	0	0	0	0	0	0	0
Women and Employment	1	0	0	0	0	0	0	0	0	0	0	1

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
East South Central, total	43,159	962	264	11,832	341	445	1,370	25,409	0	1,332	1,197	7
Alabama, total	27,166	0	0	11,561	0	445	1,370	13,553	0	232	5	0
Amer Assc Vet Immunologst	5	0	0	0	0	0	0	0	0	0	5	0
Baptist Med Ctr-Prnct	282	0	0	0	0	0	0	282	0	0	0	0
Southern Research Inst	21,307	0	0	5,989	0	445	1,370	13,271	0	232	0	0
Sthestrn Ctr Elec Eng Ed	5,572	0	0	5,572	0	0	0	0	0	0	0	0
Kentucky, total	963	70	0	0	341	0	0	100	0	0	452	0
Am Printing Hs Blind	341	0	0	0	341	0	0	0	0	0	0	0
Breckinridge Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Horticultural Producers F	70	70	0	0	0	0	0	0	0	0	0	0
Museum History & Science	452	0	0	0	0	0	0	0	0	0	452	0
Our Lady of the Way Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Mississippi, total	2,532	892	264	271	0	0	0	0	0	1,100	0	5
Gulf Coast Rsch Lab	1,126	687	264	175	0	0	0	0	0	0	0	0
Inst for Technology Dev	1,401	205	0	96	0	0	0	0	0	1,100	0	0
The Crescent Sisters Teen	5	0	0	0	0	0	0	0	0	0	0	5
Tennessee, total	12,498	0	0	0	0	0	0	11,756	0	0	740	2
American Economic Assc	120	0	0	0	0	0	0	0	0	0	120	0
Coal Employment Project	2	0	0	0	0	0	0	0	0	0	0	2
Oak Ridge Research Inst	620	0	0	0	0	0	0	0	0	0	620	0
St Jude Child Rsch Hosp	11,756	0	0	0	0	0	0	11,756	0	0	0	0
West South Central, total	182,992	188	99	111,793	2,163	22,466	1,307	16,590	35	26,202	943	1,206
Arkansas, total	50	0	0	0	0	0	0	50	0	0	0	0
Helena Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Louisiana, total	1,565	123	0	0	0	0	557	767	0	0	118	0
Alton Ochsner Med Fndtn	648	0	0	0	0	0	0	648	0	0	0	0
Gulf South Research Inst	557	0	0	0	0	0	557	0	0	0	0	0
Lafayette Nat Hist Mus As	118	0	0	0	0	0	0	0	0	0	118	0
Sugar Process Rsch Inst	123	123	0	0	0	0	0	0	0	0	0	0
Touro Research Institute	119	0	0	0	0	0	0	119	0	0	0	0
Oklahoma, total	5,840	65	0	0	0	788	0	4,984	0	0	0	3
Grt Plains Area Vo-Tech	3	0	0	0	0	0	0	0	0	0	0	3
Interstate Oil Compact	730	0	0	0	0	730	0	0	0	0	0	0
Okarche Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Okla Medical Res Found	4,826	0	0	0	0	0	0	4,826	0	0	0	0
Red Ark Dev Authority	65	65	0	0	0	0	0	0	0	0	0	0
St Francis Hosp	108	0	0	0	0	0	0	108	0	0	0	0
UIPC Research Foundation	58	0	0	0	0	58	0	0	0	0	0	0
Texas, total	175,537	0	99	111,793	2,163	21,678	750	10,789	35	26,202	825	1,203
Computer Aided Manufactur	30	0	30	0	0	0	0	0	0	0	0	0
Goodall Witcher Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Gulf Shrimp Rch & Dev Fdn	29	0	29	0	0	0	0	0	0	0	0	0
Hill Country Memorial Hsp	50	0	0	0	0	0	0	50	0	0	0	0
Houston Area Research Ctr	1,000	0	0	0	0	1,000	0	0	0	0	0	0
Houston Museum of Nat Sci	576	0	0	0	0	0	0	0	0	0	576	0
Human Serv Risk Mgmt Exch	25	0	0	0	0	0	0	0	0	0	0	25
Inst Aerobics Research	523	0	0	0	0	0	0	523	0	0	0	0
Natl Assc Wmn Bus Owners	4	0	0	0	0	0	0	0	0	0	0	4
Scott and White Mem Hosp	295	0	0	0	0	0	0	295	0	0	0	0
Sematech, Inc.	100,000	0	0	100,000	0	0	0	0	0	0	0	0
Society Complex Carbohydr	8	0	0	0	0	0	0	0	0	0	8	0
Southwest Educ Dev Lab	2,163	0	0	0	2,163	0	0	0	0	0	0	0
Southwest Fdn for Res&Ed	10,141	0	0	627	0	0	0	9,514	0	0	0	0
Southwest Research Inst	32,104	0	40	10,436	0	1,313	750	0	35	18,281	77	1,172
St Joseph Hosp, Houston	41	0	0	0	0	0	0	41	0	0	0	0
Texas Children's Hospital	316	0	0	0	0	0	0	316	0	0	0	0
Texas Learning Tech Group	164	0	0	0	0	0	0	0	0	0	164	0
Univ Rsch Assc-Spr Conduc	19,365	0	0	0	0	19,365	0	0	0	0	0	0
Universities Space Rsch	8,651	0	0	730	0	0	0	0	0	7,921	0	0
Womens Ctr Tarrant Cnty	2	0	0	0	0	0	0	0	0	0	0	2

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Mountain, total	43,712	68	2,375	46	125	9,781	298	20,824	0	1,453	4,792	3,950
Arizona, total	3,342	0	0	40	0	0	0	2,502	0	571	229	0
Good Samaritan Med Ctr	112	0	0	0	0	0	0	112	0	0	0	0
Inst for Biogerontology	314	0	0	0	0	0	0	314	0	0	0	0
ISEE Foundation	95	0	0	0	0	0	0	0	0	0	0	0
Lowell Observatory	745	0	0	40	0	0	0	0	0	0	95	0
Southwest Biomed Research	355	0	0	0	0	0	0	0	0	571	134	0
St Joseph's Hosp&Med Ctr	1,721	0	0	0	0	0	0	355	0	0	0	0
Colorado, total	21,418	8	2,375	6	0	4	140	1,721	0	0	0	0
Amb Sentinel Pract Ntwrk	262	0	0	0	0	0	0	14,360	0	833	3,664	28
Amer Cancer Rsch Ctr Hosp	617	0	0	0	0	0	0	262	0	0	0	0
Amer Indian Sci&Eng Soc	266	0	0	0	0	0	0	617	0	0	0	0
Asian Pac Dev Ctr Colo	1	0	0	0	0	0	0	0	0	30	226	10
Aspen Center for Physics	235	0	0	6	0	4	0	0	0	0	0	1
Biol Sci Curiculm Stdy Co	2,220	0	0	0	0	0	0	0	0	29	196	0
Child Asthma Rsch Inst	270	0	0	0	0	0	0	0	0	0	2,220	0
Colorado Org Adlscnt Preg	1	0	0	0	0	0	0	270	0	0	0	0
Ctr for Policy Research	500	0	0	0	0	0	0	0	0	0	0	1
Delta Sigma Theta Sorority	2	0	0	0	0	0	0	500	0	0	0	0
E Roosevelt Inst Cancer	2,227	0	0	0	0	0	0	0	0	0	0	2
Inst Rsch on Socl Prob	180	0	0	0	0	0	0	2,198	0	0	29	0
Mi Casa Women's Center	3	0	0	0	0	0	0	180	0	0	0	0
Natl Assc Blk Wm Attorney	1	0	0	0	0	0	0	0	0	0	0	3
Natl Conf St Legis Ldrs	140	0	0	0	0	0	0	0	0	0	0	1
Natl Hispana Leadership	4	0	0	0	0	0	140	0	0	0	0	0
Natl Jewish Ctr Immunolog	9,705	0	0	0	0	0	0	0	0	0	0	4
Natl Women Veterans Cnfc	1	0	0	0	0	0	0	9,699	0	0	6	0
Natl Wool Growers Assc	8	8	0	0	0	0	0	0	0	0	0	1
Northeast Wms Rsrc Ctr	4	0	0	0	0	0	0	0	0	0	0	0
Penrose Hospital	145	0	0	0	0	0	0	0	0	0	0	4
Policy Center	489	0	0	0	0	0	0	145	0	0	0	0
Rcky Mtn Biol Lab	4	0	0	0	0	0	0	489	0	0	0	0
Socl Sci Ed Consort Inc	55	0	0	0	0	0	0	0	0	0	4	0
The Keystone Center	100	0	0	0	0	0	0	0	0	0	55	0
The Masonry Society	117	0	0	0	0	0	0	0	0	0	100	0
Univ Corp for Atmos Rsch	3,149	0	2,375	0	0	0	0	0	0	0	117	0
West Interst Comm High Ed	711	0	0	0	0	0	0	0	0	774	0	0
YWCA of Metro Denver	1	0	0	0	0	0	0	0	0	0	711	0
Idaho, total	50	0	0	0	0	0	0	0	0	0	0	1
Gritman Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Montana, total	1,444	60	0	0	0	0	0	827	0	0	553	4
Columbus Hospital	729	0	0	0	0	0	0	729	0	0	0	0
Montana Teachers of Math	553	0	0	0	0	0	0	0	0	0	553	0
St Peter's Community Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Systems for Envir Mgt	60	60	0	0	0	0	0	0	0	0	0	0
Teton Medical Center	48	0	0	0	0	0	0	48	0	0	0	0
The Billings YWCA	4	0	0	0	0	0	0	0	0	0	0	4
New Mexico, total	4,139	0	0	0	0	717	0	2,110	0	49	346	917
Ctr Holistic Resource Mgt	912	0	0	0	0	0	0	0	0	0	0	912
Lovelace Biomed Environ	112	0	0	0	0	112	0	0	0	0	0	0
Lovelace Fdn for Med Ed	2,311	0	0	0	0	190	0	2,072	0	49	0	0
Luna Vocation Tech Inst	75	0	0	0	0	75	0	0	0	0	0	0
NM Comm Status Wmn	5	0	0	0	0	0	0	0	0	0	0	5
NM Museum of Natur Hist	8	0	0	0	0	0	0	0	0	0	8	0
Santa Fe Institute	678	0	0	0	0	340	0	0	0	0	338	0
Socorro General Hospital	38	0	0	0	0	0	0	38	0	0	0	0
Utah, total	5,494	0	0	0	125	1,385	8	975	0	0	0	3,001
Assoc Westrn Univ, Inc	1,385	0	0	0	0	1,385	0	0	0	0	0	0
Consortium Intl Dev	3,000	0	0	0	0	0	0	0	0	0	0	3,000
Holy Cross Hosp	63	0	0	0	0	0	0	63	0	0	0	0
Latter-Day Saints Hosp	655	0	0	0	0	0	0	655	0	0	0	0
Reid Foundation	125	0	0	0	125	0	0	0	0	0	0	0
Salt Lake Clinic Res Fnd	257	0	0	0	0	0	0	257	0	0	0	0
Utah Hispanic Wmns Cnfc	1	0	0	0	0	0	0	0	0	0	0	0
Utah Research Institute	8	0	0	0	0	0	8	0	0	0	0	1

See explanatory material at end of table.

(Continued)

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Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Wyoming, total	7,825	0	0	0	0	7,675	150	0	0	0	0	0
Western Research Inst	7,825	0	0	0	0	7,675	150	0	0	0	0	0
Pacific, total	368,661	4,055	6,332	79,319	6,348	5,198	519	245,715	0	4,694	15,859	622
Alaska, total	1,017	0	997	0	0	0	0	0	0	0	20	0
Alaska Federation Natives	20	0	0	0	0	0	0	0	0	0	20	0
Alaska Fishery Dev Fdn	997	0	997	0	0	0	0	0	0	0	0	0
California, total	278,809	156	406	79,181	3,052	3,895	330	174,130	0	4,604	13,040	15
Agouron Institute	501	0	0	0	0	0	0	391	0	0	110	0
Alta Bates Hospital	21	0	0	0	0	0	0	21	0	0	0	0
Amer Acad Underwater Sci	23	0	0	0	0	0	0	0	0	0	23	0
Amer Fishermens Rsch Fdn	25	0	25	0	0	0	0	0	0	0	0	0
Amer Soc of Zoologists	34	0	0	5	0	0	0	0	0	0	29	0
American Electronics Assn	80	0	0	0	0	0	0	0	0	0	80	0
Applied Technology Cncl	34	0	0	0	0	0	0	0	0	0	34	0
Beckman Research Inst	6,119	0	0	0	0	0	0	6,086	0	0	33	0
Business Labor Council	227	0	0	0	0	0	0	0	0	0	227	0
Cal Child Study Fdn	260	0	0	0	0	0	0	260	0	0	0	0
Cal Inst of Bio Rsrch	1,465	0	0	0	0	202	0	1,263	0	0	0	0
Cal Pub Hlth Foundation	1,128	47	0	0	0	0	98	916	0	0	67	0
Calif Academy of Sciences	69	0	0	0	0	0	0	0	0	0	69	0
Calif Cast Metals Assoc	48	0	0	0	0	48	0	0	0	0	0	0
California Table Grape Cm	19	19	0	0	0	0	0	0	0	0	0	0
Cedars-Sinai Med Ctr	6,585	0	0	112	0	0	0	6,473	0	0	0	0
Child Hosp & Hlth Cntr	286	0	0	0	0	0	0	286	0	0	0	0
Child Hosp of Los Angeles	6,911	0	0	0	0	0	0	6,911	0	0	0	0
Child Hosp&Med Ctr N Cal	1,573	0	0	0	0	0	0	1,573	0	0	0	0
Child Hosp-Palo Alto	113	0	0	0	0	0	0	113	0	0	0	0
City of Hope Medical Ctr	3,560	0	0	0	0	0	0	3,500	0	0	60	0
Ctr Adv Study Behav Sci	912	0	0	0	0	0	0	0	0	0	912	0
Earthquake Eng Rsch Inst	244	0	0	0	0	0	0	0	0	0	244	0
Educ & Technology Foundat	125	0	0	0	125	0	0	0	0	0	0	0
Electric Power Research	1,998	0	0	0	0	1,873	0	0	0	85	40	0
Elkhorn Slough Foundation	76	0	76	0	0	0	0	0	0	0	0	0
Eloret Institute	2,038	0	0	0	0	0	0	0	0	2,038	0	0
Estelle Doheny Eye Fdn	1,439	0	0	0	0	0	0	1,439	0	0	0	0
EEG Systems Lab	777	0	0	151	0	0	0	626	0	0	0	0
Far West Lab Ed Res & Dev	2,959	0	0	0	2,927	0	0	32	0	0	0	0
Fdn Employment & Disblty	192	0	0	0	0	0	0	0	0	0	192	0
Film Arts Foundation	50	0	0	0	0	0	0	0	0	0	50	0
Fresno Cmty Hosp	178	0	0	0	0	0	0	178	0	0	0	0
Helicon Foundation	60	0	0	60	0	0	0	0	0	0	0	0
Hereditary Disease Fnd	242	0	0	0	0	0	0	242	0	0	0	0
House Ear Institute	62	0	0	0	0	0	0	62	0	0	0	0
Hubbs Sea World Res Instt	98	0	98	0	0	0	0	0	0	0	0	0
Huntington Med Rsch Insts	1,152	0	0	0	0	0	0	1,152	0	0	0	0
Inst for Rsch on Learning	33	0	0	0	0	0	0	33	0	0	0	0
Inst of Human Origins	128	0	0	0	0	0	0	0	0	0	128	0
Inst of Math Statistics	15	0	0	10	0	0	0	0	0	0	5	0
Inst Medical Research	734	0	0	0	0	0	0	734	0	0	0	0
Inst Study Learning Exper	7	0	0	0	0	0	0	0	0	0	7	0
Intl Assc Phys Sci Ocean	20	0	0	0	0	0	0	0	0	0	20	0
Intl Computer Sci Inst	60	0	0	0	0	0	0	0	0	0	60	0
Intl Idsrl Sympsm Spr Con	20	0	0	0	0	20	0	0	0	0	0	0
Jay David Gladstone Fdn	2,371	0	0	0	0	0	0	2,371	0	0	0	0
John Muir Memorial Hosp	2,756	0	0	0	0	0	0	2,756	0	0	0	0
Kaiser Fdn Rsch Inst	9,375	0	0	0	0	0	0	9,375	0	0	0	0
Kaiser Foundation Hosp	285	0	0	0	0	0	0	285	0	0	0	0
Kariotis & Associates	192	0	0	0	0	0	0	0	0	0	192	0
L A Educational Partnersh	261	0	0	0	0	0	0	0	0	0	261	0
La Jolla Biology Lab	80	0	0	0	0	0	0	0	0	0	80	0
La Jolla Cancer Rsch Fdn	8,756	0	0	0	0	0	0	8,676	0	0	80	0
La Jolla Clinic Res F	288	0	0	0	0	0	0	288	0	0	0	0
Lajolla Institute	916	0	0	916	0	0	0	0	0	0	0	0
Life Lab Sci Prog	470	0	0	0	0	0	0	0	0	0	470	0
Linus Pauling Institute	104	0	0	0	0	0	0	104	0	0	0	0
LA Cty Museum of Nat Hist	157	0	0	0	0	0	0	0	0	0	157	0
Math Sciences Rsch Inst	2,550	0	0	0	0	0	0	0	0	0	2,550	0
Med Rsch Inst of S F	5,915	0	0	0	0	0	0	5,915	0	0	0	0
Medical Biology Institute	5,209	0	0	0	0	0	0	5,209	0	0	0	0
Memorial Hosp & Med Ctr	256	0	0	0	0	0	0	256	0	0	0	0
Merritt-Peralta Hospital	157	0	0	0	0	0	0	157	0	0	0	0
Molecular Research Inst	511	0	0	0	0	0	90	421	0	0	0	0
Mt Zion Hosp & Med Ctr	1,058	0	0	0	0	0	0	1,058	0	0	0	0
National Geothermal Assoc	78	0	0	0	0	78	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

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Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Natl Food Process Assoc	104	0	72	0	0	16	16	0	0	0	0	0
Nrthrn Cal Cancer Prog	3,760	0	0	0	0	0	0	3,760	0	0	0	0
Ocean Alliance	589	0	0	0	0	0	0	0	0	0	589	0
Pacific Inst for Res	1,828	0	0	0	0	0	0	1,828	0	0	0	0
Pacific Med Ctr	284	0	0	0	0	0	0	284	0	0	0	0
Palo Alto Med Res Found	1,455	0	0	0	0	0	0	1,455	0	0	0	0
Peralta Cancer Research	207	0	0	0	0	0	0	207	0	0	0	0
Point Reyes Bird Observ	351	0	35	0	0	0	0	0	0	0	316	0
Public Health Fdn - LA	561	0	0	0	0	0	0	561	0	0	0	0
Rancho Santa Ana Bot Gdns	4	0	0	0	0	0	0	0	0	0	4	0
Rand Corporation	32,621	0	0	26,079	0	0	0	5,790	0	128	624	0
Rockwell Intl Science Ctr	523	0	0	0	0	125	0	0	0	398	0	0
Salk Inst for Biol Stud	27,184	90	0	6,371	0	434	0	19,959	0	0	330	0
San Barb Museum Nat H	100	0	100	0	0	0	0	0	0	0	0	0
San Francisco General Hsp	49	0	0	0	0	0	49	0	0	0	0	0
Sansum Med Rsch Fdn	157	0	0	0	0	0	0	157	0	0	0	0
Scientific Analysis Corp	810	0	0	0	0	0	0	810	0	0	0	0
Scripps Clinic & Res Fdn	54,549	0	0	947	0	0	0	52,782	0	201	619	0
Scripps Memorial Hospital	3,136	0	0	0	0	0	0	3,136	0	0	0	0
Sea World Research Inst	101	0	0	0	0	0	0	101	0	0	0	0
Smith Kttwll Eye Rsch	2,892	0	0	488	0	0	0	2,404	0	0	0	0
Soc of Vertebrate Paleon	32	0	0	0	0	0	0	0	0	0	32	0
Society Hispanic Prof Eng	100	0	0	0	0	0	0	0	0	0	100	0
St Vincent Med Ctr	180	0	0	0	0	0	0	180	0	0	0	0
Sutter Cmty Hosps-Scm	73	0	0	0	0	0	0	73	0	0	0	0
SRI International	60,986	0	0	43,560	0	1,099	77	11,337	0	1,754	3,159	0
The Exploratorium	841	0	0	0	0	0	0	0	0	0	841	0
Torrey Pines Inst Mol Std	200	0	0	0	0	0	0	0	0	0	200	0
Transnational Family Rsch	143	0	0	0	0	0	0	143	0	0	0	0
West Coast Cancer Fdn	482	0	0	482	0	0	0	0	0	0	0	0
Women at Work	15	0	0	0	0	0	0	0	0	0	0	5
Zoolgl Soc of San Diego	46	0	0	0	0	0	0	0	0	0	46	0
Zweng Mem Retina Rsch Ctr	1	0	0	0	0	0	0	1	0	0	0	0
Hawaii, total	9,045	3,899	2,496	0	0	109	0	1,783	0	0	159	599
Bernice P Bishop Museum	142	0	0	0	0	0	0	0	0	0	142	0
East-West Center	720	0	0	0	0	109	0	0	0	0	17	594
Hawaii Sugar Planters Ass	588	588	0	0	0	0	0	0	0	0	0	0
Kuakini Med Rsch Inst	1,202	0	0	0	0	0	0	1,202	0	0	0	0
Molokai General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
Pacific Basin Dev Council	50	0	50	0	0	0	0	0	0	0	0	0
Pacific Fishery Dev Fds	1,031	0	1,031	0	0	0	0	0	0	0	0	0
Pacific Hlth Rsch Inst	531	0	0	0	0	0	0	531	0	0	0	0
Pacific Islands Wms Ntwrk	5	0	0	0	0	0	0	0	0	0	0	5
The Oceanic Institute	3,772	3,311	461	0	0	0	0	0	0	0	0	0
W Pacific Reg Mgmt Cncl	954	0	954	0	0	0	0	0	0	0	0	0
Oregon, total	25,349	0	2,433	37	3,184	0	0	19,041	0	90	560	4
Good Samaritan Hosp&Med C	3,388	0	0	0	0	0	0	3,298	0	90	0	0
Image De Oregon	3	0	0	0	0	0	0	0	0	0	0	3
Integrated Rsch Services	160	0	0	0	0	0	0	160	0	0	0	0
Kaiser Foundation	312	0	0	0	0	0	0	312	0	0	0	0
Medical Res Fdn of Oregon	9,608	0	0	37	0	0	0	9,571	0	0	0	0
Mountain View Dstrct Hosp	50	0	0	0	0	0	0	50	0	0	0	0
Nat Coastal Resources Rsh	1,589	0	1,589	0	0	0	0	0	0	0	0	0
NW Reg Education Lab	3,185	0	0	0	3,184	0	0	0	0	0	0	1
Oregon Museum Sci Indstry	497	0	0	0	0	0	0	0	0	0	497	0
Oregon Research Inst	2,944	0	0	0	0	0	0	2,944	0	0	0	0
Oregon Social Learning Ctr	1,824	0	0	0	0	0	0	1,824	0	0	0	0
Pacific Marine Fishery Co	601	0	601	0	0	0	0	0	0	0	0	0
Providence Med Ctr-Prtlnd	882	0	0	0	0	0	0	882	0	0	0	0
West Coast Fish Dev Fdn	243	0	243	0	0	0	0	0	0	0	0	0
Willamette Sci & Tech	63	0	0	0	0	0	0	0	0	0	63	0
Washington, total	54,441	0	0	101	112	1,194	189	50,761	0	0	2,080	4
Astrophysical Rsch Cons	959	0	0	0	0	0	0	0	0	0	959	0
Biomembrane Institute	803	0	0	0	0	0	0	803	0	0	0	0
Child Orthopedic Hospital	1,815	0	0	0	0	0	0	1,815	0	0	0	0
Community Action Center	3	0	0	0	0	0	0	0	0	0	0	3
F Hutchnsn Cancr Res Inst	40,833	0	0	101	55	94	189	39,848	0	0	546	0
Fdn Glacier & Environ Rch	43	0	0	0	0	0	0	0	0	0	43	0
Girls Club of Puget Sound	1	0	0	0	0	0	0	0	0	0	0	1
Hanford Occ Hlth Found	1,100	0	0	0	0	1,100	0	0	0	0	0	0
Inst Applied Physiol	377	0	0	0	0	0	0	377	0	0	0	0
Issaquah Gr Hlth & Env	2,003	0	0	0	0	0	0	2,003	0	0	0	0
Model Classrooms Assoc	57	0	0	0	57	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table B-34. -- Federal obligations to independent nonprofit institutions for research and development and R&D plant by geographic division, State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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Geographic division, State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Washington, cont'd												
Pacific Northwest Res Fdn	834	0	0	0	0	0	0	834	0	0	0	0
Pacific Science Ctr Fdn	404	0	0	0	0	0	0	0	0	0	404	0
Puget Sound Blood Center	910	0	0	0	0	0	0	910	0	0	0	0
Seattle Biomed Rsch Inst	100	0	0	0	0	0	0	0	0	0	100	0
Seattle Research Center	3,106	0	0	0	0	0	0	3,106	0	0	0	0
Swedish Hospital Med Ctr	375	0	0	0	0	0	0	375	0	0	0	0
VA Mason Fdn-Med Educ&Res	718	0	0	0	0	0	0	690	0	0	28	0
Outlying areas, total	50	0	0	0	0	0	0	50	0	0	0	0
Puerto Rico, total	50	0	0	0	0	0	0	50	0	0	0	0
Castaner General Hospital	50	0	0	0	0	0	0	50	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-35. -- Federal obligations for research and development and R&D plant to the 100 nonprofit institutions receiving the largest amounts: fiscal years 1987-89

[Dollars in thousands]

(Page 1 of 1)

Rank	Institution (ranked by total 1989 Federal obligations)	1987	1988	1989	Rank	Institution (ranked by total 1989 Federal obligations)	1987	1988	1989
	Total, all institutions	1,774,420	1,949,153	2,078,415					
1	Draper Laboratories	196,739	194,279	142,685	51	Fox Chase Cancer Center	-	-	8,796
2	Sematech, Inc.	-	100,000	100,000	52	La Jolla Cancer Rsch Fdn	7,137	7,632	8,756
3	IIT Research Institute	62,117	79,175	91,856	53	Henry Ford Hospital	7,796	6,836	8,656
4	Nat'l Academy of Sciences	54,496	58,452	62,559	54	Universities Space Rsch	3,759	3,166	8,651
5	Research Triangle Inst	53,253	53,015	61,663	55	Inst of Gas Technology	3,588	8,750	8,344
6	SRI International	82,382	79,364	60,986	56	Whitehead Inst Biomed	6,779	8,251	8,239
7	Brigham and Women's Hosp	47,779	53,370	59,894	57	American Iron & Steel Ins	-	-	7,985
8	Mass General Hospital	44,548	45,828	56,838	58	Western Research Inst	-	5,394	7,825
9	Scripps Clinic & Res Fdn	46,628	52,423	54,549	59	Univ City Science Center	6,479	6,145	7,191
10	Battelle Memorial Inst	69,515	49,537	51,666	60	Urban Institute	2,487	4,428	7,064
	Total 1st 10 institutions	657,457	765,443	742,696		Total 1st 60 institutions	1,306,991	1,454,316	1,563,247
11	Sloan-Kettering Cancer Rs	43,207	40,257	44,595	61	Child Hosp of Los Angeles	4,043	5,323	6,911
12	Dana-Farber Cancer Inst	31,391	37,430	41,799	62	Ctr for Blood Research	4,991	5,444	6,662
13	F Hutchnsn Cancr Res Inst	27,683	35,927	40,833	63	Cedars-Sinai Med Ctr	4,815	5,486	6,585
14	Mayo Foundation	39,823	38,617	39,801	64	Retina Found	6,170	6,071	6,342
15	Rand Corporation	46,876	32,902	32,621	65	Mass Eye & Ear Infirmary	6,669	6,676	6,322
16	Southwest Research Inst	43,386	31,566	32,104	66	Childrens TV Workshop	4,750	3,245	6,220
17	Analytic Services, Inc	25,020	26,050	28,475	67	Beckman Research Inst	3,849	6,659	6,119
18	Assn Univs Rsch & Astron	17,787	23,739	27,346	68	H M Jackson Foundation	1,507	3,465	5,928
19	Salk Inst for Biol Stud	26,396	27,986	27,184	69	Med Rsch Inst of S F	3,649	4,460	5,915
20	Joint Ocean Insts Inc	23,596	25,001	26,213	70	Rush Prsbytrn/St Lks	4,996	5,363	5,791
	Total 1st 20 institutions	982,622	1,084,918	1,083,667		Total 1st 70 institutions	1,352,430	1,506,508	1,626,042
21	Universities Res Assoc	6,821	10,706	24,560	71	Michigan Cancer Fdn	6,758	4,965	5,717
22	Children's Hospital	21,071	21,688	23,366	72	Ek Shriver Ctr Ment Ret	5,074	5,122	5,612
23	Wistar Institute	19,181	20,163	21,986	73	Sthestrn Ctr Elec Eng Ed	4,003	3,230	5,572
24	Southern Research Inst	16,475	23,801	21,307	74	Medical Biology Institute	3,469	3,311	5,209
25	N Eng Med Ctr & Hospitals	17,834	20,190	19,887	75	Health Effects Institute	-	3,126	5,000
26	Univ Rsch Assc-Spr Conduc	-	-	19,365	76	Public Health Res Inst	4,254	4,558	4,920
27	Beth Israel Hospital	13,196	11,532	15,684	77	Forsyth Dental Center	4,358	4,590	4,874
28	Environmental Res Inst	5,381	7,794	13,773	78	University Hospital	4,797	4,772	4,842
29	Amer Society-Engr Educ	4,076	1,986	13,457	79	Okla Medical Res Found	6,455	6,139	4,826
30	Cold Spring Harbor Lab	11,841	13,296	13,447	80	Natl Bureau Econ Rsch Inc	2,778	3,002	4,608
	Total 1st 30 institutions	1,098,498	1,216,074	1,270,499		Total 1st 80 institutions	1,394,376	1,549,323	1,677,222
31	Consortium for Sci Comput	9,260	10,138	13,075	81	Child Hosp Med Ctr Cincin	5,283	5,531	4,566
32	MPC Corp	1,354	1,664	12,520	82	Boston Biomed Res Inst	4,201	3,759	4,384
33	Cleveland Clinic Fdn	9,866	10,280	12,506	83	MD Medical Rsch Inst	2,449	5,522	4,327
34	American Hlth Fdn Inc	12,030	12,947	11,780	84	Joslin Diabetes Fdn Inc	5,405	5,191	4,129
35	St Jude Child Rsch Hosp	11,179	11,289	11,756	85	Narcotics & Drug Rch Inst	-	-	4,113
36	Child Hosp of Phila	9,499	11,217	11,619	86	New York Blood Center	4,213	4,590	4,088
37	Riverside Res Inst	13,787	18,619	10,738	87	St Luke's Inst for Health	3,632	4,026	3,872
38	Jackson Lab	9,283	9,445	10,600	88	Long Isl Jewish Hillside	3,437	3,475	3,845
39	Midwest Research Inst	13,249	11,294	10,521	89	The Oceanic Institute	1,531	9,473	3,772
40	Mclean Hospital	7,863	7,574	10,444	90	Nrthrn Cal Cancer Prog	4,341	4,728	3,760
	Total 1st 40 institutions	1,195,868	1,320,541	1,386,058		Total 1st 90 institutions	1,428,868	1,595,618	1,718,078
41	Southwest Fdn for Res&Ed	8,756	10,393	10,141	91	Child Hosp of Pittsburgh	3,160	18,267	3,749
42	Worcester Fdn Exp Bio	9,269	9,644	10,130	92	Memorial Hosp-Pawtucket	3,528	3,375	3,720
43	Natl Jewish Ctr Immunolog	9,486	8,854	9,705	93	Roger Williams Gen Hosp	2,369	2,156	3,688
44	Jewish Hosp of St Louis	6,420	8,184	9,656	94	JFK Inst Handicapped	2,187	1,798	3,602
45	Medical Res Fdn of Oregon	7,281	7,509	9,608	95	Philadelphia Geriatrc Ctr	2,902	3,370	3,577
46	N Eng Deaconess Hospital	5,351	6,723	9,484	96	Nat Opinion Research Ctr	6,320	4,663	3,572
47	Kaiser Fdn Rsch Inst	7,087	8,030	9,375	97	City of Hope Medical Ctr	4,631	4,070	3,560
48	Montefiore Hosp & Med Ctr	7,002	9,107	9,260	98	W Alton Jones Cell Sc Ctr	2,164	3,428	3,402
49	Assn of American Railrds	5,121	9,201	9,218	99	Good Samaritan Hosp&Med C	3,183	2,767	3,388
50	Mitre Corporation	7,325	5,528	9,105	100	Population Council	2,904	2,787	3,205
	Total 1st 50 institutions	1,268,966	1,403,714	1,481,740		Total 1st 100 institutions	1,462,216	1,642,299	1,753,541

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	1,261,278	5,462	10,721	509,930	17,065	46,108	31,268	488,445	157	50,841	88,970	12,311
1	Draper Laboratories	142,685	0	0	129,064	0	0	0	0	0	13,466	155	0
2	Sematech, Inc.	100,000	0	0	100,000	0	0	0	0	0	0	0	0
3	IIT Research Institute	91,856	0	0	81,089	0	6,074	744	3,815	0	51	0	83
4	Research Triangle Inst	61,663	0	0	10,133	0	436	4,313	43,128	0	3,059	77	517
5	SRI International	60,986	0	0	43,560	0	1,099	77	11,337	0	1,754	3,159	0
6	Battelle Memorial Inst	51,666	0	736	34,911	0	1,019	8,575	4,364	0	2,061	0	0
7	Sloan-Kettering Cancer Rs	44,595	0	0	477	0	723	0	43,055	0	0	340	0
8	F Hutchnsn Cancr Res Inst	40,833	0	0	101	55	94	189	39,848	0	0	546	0
9	Rand Corporation	32,621	0	0	26,079	0	0	0	5,790	0	128	624	0
10	Southwest Research Inst	32,104	0	40	10,436	0	1,313	750	0	35	18,281	77	1,172
	Total 1st 10 institutions	659,009	0	776	435,850	55	10,758	14,648	151,337	35	38,800	4,978	1,772
11	Analytic Services, Inc	28,475	0	0	28,475	0	0	0	0	0	0	0	0
12	Salk Inst for Biol Stud	27,184	90	0	6,371	0	434	0	19,959	0	0	330	0
13	Joint Ocean Insts Inc	26,213	0	0	0	0	0	0	0	0	0	26,213	0
14	Wistar Institute	21,986	0	0	0	0	0	0	21,756	0	0	230	0
15	Southern Research Inst	21,307	0	0	5,989	0	445	1,370	13,271	0	232	0	0
16	Univ Rsch Assc-Spr Conduc	19,365	0	0	0	0	19,365	0	0	0	0	0	0
17	Environmental Res Inst	13,773	0	0	12,338	0	0	0	0	0	1,435	0	0
18	Cold Spring Harbor Lab	13,447	0	0	21	0	9	45	12,683	0	0	689	0
19	Consortium for Sci Comput	13,075	0	0	0	0	0	0	0	0	0	13,075	0
20	MPC Corp	12,520	0	0	0	0	0	0	1,442	0	0	11,078	0
	Total 1st 20 institutions	856,354	90	776	489,044	55	31,011	16,063	220,448	35	40,467	56,593	1,772
21	American Hlth Fdn Inc	11,780	0	0	0	0	0	0	11,780	0	0	0	0
22	Riverside Res Inst	10,738	0	0	9,830	0	0	0	908	0	0	0	0
23	Jackson Lab	10,600	0	0	0	0	132	0	10,321	0	0	147	0
24	Midwest Research Inst	10,521	0	0	228	0	174	6,970	2,715	0	120	0	314
25	Southwest Fdn for Res&Ed	10,141	0	0	627	0	0	0	9,514	0	0	0	0
26	Worcester Fdn Exp Bio	10,130	0	0	0	0	0	0	9,891	0	0	239	0
27	Medical Res Fdn of Oregon	9,608	0	0	37	0	0	0	9,571	0	0	0	0
28	Kaiser Fdn Rsch Inst	9,375	0	0	0	0	0	0	9,375	0	0	0	0
29	Mitre Corporation	9,105	0	0	0	0	0	0	1,162	0	573	0	7,370
30	Fox Chase Cancer Center	8,796	0	0	0	0	0	0	8,499	0	0	297	0
	Total 1st 30 institutions	957,148	90	776	499,766	55	31,317	23,033	294,184	35	41,160	57,276	9,456
31	La Jolla Cancer Rsch Fdn	8,756	0	0	0	0	0	0	8,676	0	0	80	0
32	Whitehead Inst Biomed	8,239	0	0	0	0	0	0	8,231	0	0	8	0
33	Western Research Inst	7,825	0	0	0	0	7,675	150	0	0	0	0	0
34	Univ City Science Center	7,191	0	0	0	0	1,737	200	5,017	0	237	0	0
35	Urban Institute	7,064	0	0	0	0	0	223	5,381	0	0	0	1,460
36	Ctr for Blood Research	6,662	0	0	0	0	0	0	6,662	0	0	0	0
37	Retina Found	6,342	0	0	247	0	0	0	6,095	0	0	0	0
38	Childrens TV Workshop	6,220	0	0	0	0	0	0	0	0	0	6,220	0
39	Beckman Research Inst	6,119	0	0	0	0	0	0	6,086	0	0	33	0
40	H M Jackson Foundation	5,928	0	0	1,498	0	0	0	4,285	0	0	145	0
	Total 1st 40 institutions	1,027,494	90	776	501,511	55	40,729	23,606	344,617	35	41,397	63,762	10,916
41	Med Rsch Inst of S F	5,915	0	0	0	0	0	0	5,915	0	0	0	0
42	Michigan Cancer Fdn	5,717	0	0	0	0	0	0	5,717	0	0	0	0
43	Ek Shriver Ctr Ment Ret	5,612	0	0	0	0	0	0	5,612	0	0	0	0
44	Medical Biology Institute	5,209	0	0	0	0	0	0	5,209	0	0	0	0
45	Health Effects Institute	5,000	0				0	5,000	0				
46	Public Health Res Inst	4,920	0	0	394	0	0	0	4,296	0	0	230	0
47	Forsyth Dental Center	4,874	0	0	0	0	0	0	4,874	0	0	0	0
48	Okla Medical Res Found	4,826	0	0	0	0	0	0	4,826	0	0	0	0
49	Natl Bureau Econ Rsch Inc	4,608	0	0	0	0	0	0	1,361	0	0	2,939	308
50	Boston Biomed Res Inst	4,384	0	0	0	0	0	0	4,149	0	0	235	0
	Total 1st 50 institutions	1,078,559	90	776	501,905	55	40,729	28,606	386,576	35	41,397	67,166	11,224

See explanatory material at end of table.

(Continued)

Table B-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	MD Medical Rsch Inst	4,327	0	0	0	0	0	0	4,327	0	0	0	0
52	Narcotics & Drug Rch Inst	4,113	0	0	0	0	0	0	4,113	0	0	0	0
53	St Luke's Inst for Health	3,872	0	0	0	0	0	0	3,872	0	0	0	0
54	The Oceanic Institute	3,772	3,311	461	0	0	0	0	0	0	0	0	0
55	Nrthrn Cal Cancer Prog	3,760	0	0	0	0	0	0	3,760	0	0	0	0
56	JFK Inst Handicapped	3,602	0	0	0	0	0	0	3,602	0	0	0	0
57	Nat Opinion Research Ctr	3,572	0	0	103	0	0	0	1,344	0	0	2,038	87
58	W Alton Jones Cell Sc Ctr	3,402	0	0	0	0	0	0	3,402	0	0	0	0
59	NW Reg Education Lab	3,185	0	0	0	3,184	0	0	0	0	0	0	1
60	Univ Corp for Atmos Rsch	3,149	0	2,375	0	0	0	0	0	0	774	0	0
Total 1st	60 institutions	1,115,313	3,401	3,612	502,008	3,239	40,729	28,606	410,396	35	42,171	69,204	11,312
61	Seattle Research Center	3,106	0	0	0	0	0	0	3,106	0	0	0	0
62	Res for Better Schs Inc	3,015	0	0	0	3,015	0	0	0	0	0	0	0
63	Far West Lab Ed Res & Dev	2,959	0	0	0	2,927	0	0	32	0	0	0	0
64	Oregon Research Inst	2,944	0	0	0	0	0	0	2,944	0	0	0	0
65	Friends of Psychiatr Res	2,938	0	0	0	0	0	0	2,938	0	0	0	0
66	Smith Kttwll Eye Rsch	2,892	0	0	488	0	0	0	2,404	0	0	0	0
67	Monell Chem Senses Cntr	2,875	0	0	0	0	0	0	2,596	0	0	279	0
68	Ctr Molecular Med&Imm	2,817	0	0	0	0	0	0	2,817	0	0	0	0
69	Am Inst of Aeron & Astron	2,566	0	0	22	0	0	0	0	0	2,540	0	4
70	Math Sciences Rsch Inst	2,550	0	0	0	0	0	0	0	0	0	2,550	0
Total 1st	70 institutions	1,143,975	3,401	3,612	502,818	9,181	40,729	28,606	427,833	35	44,711	72,033	11,316
71	Education Development Ctr	2,460	0	0	0	0	0	0	211	0	0	2,249	0
72	Haskins Laboratories Inc	2,457	0	0	0	0	0	0	2,342	0	0	115	0
73	Lovelace Fdn for Med Ed	2,311	0	0	0	0	190	0	2,072	0	49	0	0
74	Marine Biological Lab	2,238	0	0	154	0	15	0	2,009	0	60	0	0
75	Amer Institutes for Res	2,235	0	0	1,113	0	0	0	982	0	0	140	0
76	E Roosevelt Inst Cancer	2,227	0	0	0	0	0	0	2,198	0	0	29	0
77	Midcontinent Reg Educ Lab	2,185	0	0	0	2,185	0	0	0	0	0	0	0
78	Southwest Educ Dev Lab	2,163	0	0	0	2,163	0	0	0	0	0	0	0
79	Medical Res Fnd Buffalo	2,141	0	0	0	0	0	0	1,905	0	0	236	0
80	Elorat Institute	2,038	0	0	0	0	0	0	0	0	2,038	0	0
Total 1st	80 institutions	1,166,430	3,401	3,612	503,785	13,529	40,934	28,606	439,552	35	46,858	74,802	11,316
81	Children's Hosp Natl Med	1,958	0	0	0	0	0	0	1,958	0	0	0	0
82	Appalachia Educ Lab	1,866	0	0	0	1,866	0	0	0	0	0	0	0
83	Pacific Inst for Res	1,828	0	0	0	0	0	0	1,828	0	0	0	0
84	N E Rsch Fdn	1,827	0	0	438	0	0	0	0	27	329	1,033	0
85	Oregon Social Learning Center	1,824	0	0	0	0	0	0	1,824	0	0	0	0
86	Coriell Inst for Med Rsch	1,756	0	0	0	0	0	0	1,756	0	0	0	0
87	Tech Ed Rsch Ctr	1,739	0	0	0	0	0	0	0	0	0	1,739	0
88	Natl Biomedical Res Fdn	1,729	0	0	0	0	0	0	1,710	0	0	19	0
89	Nat Coastal Resources Rsh	1,589	0	1,589	0	0	0	0	0	0	0	0	0
90	Frontier Sci & Tech R	1,552	0	0	0	0	0	0	1,552	0	0	0	0
Total 1st	90 institutions	1,184,098	3,401	5,201	504,223	15,395	40,934	28,606	450,180	62	47,187	77,593	11,316
91	Syracuse Research Corp	1,509	0	0	864	0	0	537	57	0	0	51	0
92	Cal Inst of Bio Rsrch	1,465	0	0	0	0	202	0	1,263	0	0	0	0
93	Palo Alto Med Res Found	1,455	0	0	0	0	0	0	1,455	0	0	0	0
94	Estelle Doheny Eye Fdn	1,439	0	0	0	0	0	0	1,439	0	0	0	0
95	NE Radio Observatory Ctr	1,402	0	0	0	0	0	0	0	0	0	1,402	0
96	Inst for Technology Dev	1,401	205	0	96	0	0	0	0	0	1,100	0	0
97	SE Educ Improvement Lab	1,355	0	0	0	1,355	0	0	0	0	0	0	0
98	Human Resources Res Org	1,351	0	0	1,351	0	0	0	0	0	0	0	0
99	Human Ecolog Inst	1,326	0	0	0	0	0	0	1,326	0	0	0	0
100	Tampa Bay Rsch Inst Tech	1,326	220	0	0	0	0	0	1,106	0	0	0	0
Total 1st	100 institutions	1,198,127	3,826	5,201	506,534	16,750	41,136	29,143	456,826	62	48,287	79,046	11,316

See explanatory material at end of table.

(Continued)

Table 8-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	Perry Foundation Inc	1,305	0	1,305	0	0	0	0	0	0	0	0	0
102	North Charles Mental Hlth	1,292	0	0	0	0	0	0	1,267	0	0	0	25
103	Ctr Hlth Economic Rsch	1,267	0	0	0	0	0	0	1,267	0	0	0	0
104	Franklin Inst-Bartol Rsch	1,260	0	0	0	0	240	0	0	0	0	0	0
105	Kuakini Med Rsch Inst	1,202	0	0	0	0	0	0	1,202	0	0	1,020	0
106	Huntington Med Rsch Insts	1,152	0	0	0	0	0	0	1,152	0	0	0	0
107	Nat'l Disease Rsch In	1,145	0	0	0	0	0	0	1,145	0	0	0	0
108	B Thompson Inst Plant Res	1,137	599	0	0	0	0	181	10	0	0	0	0
109	Cal Pub Hlth Foundation	1,128	47	0	0	0	0	98	916	0	0	347	0
110	Gulf Coast Rsch Lab	1,126	687	264	175	0	0	0	0	0	0	67	0
	Total 1st 110 institutions	1,210,141	5,159	6,770	506,709	16,750	41,376	29,422	463,785	62	48,287	80,480	11,341
111	Skidaway Inst of Ocean	1,102	0	0	120	0	982	0	0	0	0	0	0
112	Health Research Inc.	1,093	0	0	512	0	0	0	0	0	0	581	0
113	Allegheny Singer Rsch	1,070	0	0	0	0	0	0	1,070	0	0	0	0
114	Indianapls Ctr Adv Rsch	1,056	0	0	0	0	0	0	0	0	1,056	0	0
115	Houston Area Research Ctr	1,000	0	0	0	0	1,000	0	0	0	0	0	0
116	Alaska Fishery Dev Fdn	997	0	997	0	0	0	0	0	0	0	0	0
117	Trudeau Institute Inc	985	0	0	0	0	0	0	985	0	0	0	0
118	Franklin Inst	978	0	0	0	0	0	0	0	0	0	978	0
119	Astrophysical Rsch Cons	959	0	0	0	0	0	0	0	0	0	959	0
120	Marshfield Med Rsch Fdn	927	0	0	0	0	0	0	927	0	0	0	0
	Total 1st 120 institutions	1,220,308	5,159	7,767	507,341	16,750	43,358	29,422	466,767	62	49,343	82,998	11,341
121	Lajolla Institute	916	0	0	916	0	0	0	0	0	0	0	0
122	Am Inst of Biological Sci	916	0	0	403	0	13	0	0	0	500	0	0
123	Ctr Adv Study Behav Sci	912	0	0	0	0	0	0	0	0	0	912	0
124	Info Science Res Ins	905	0	0	0	0	0	0	905	0	0	0	0
125	New Jersey Marine Sci Con	883	0	883	0	0	0	0	0	0	0	0	0
126	Pacific Northwest Res Fdn	834	0	0	0	0	0	0	834	0	0	0	0
127	Scientific Analysis Corp	810	0	0	0	0	0	0	810	0	0	0	0
128	Biomembrane Institute	803	0	0	0	0	0	0	803	0	0	0	0
129	Mass Health Research Inst	799	0	0	0	0	0	0	799	0	0	0	0
130	Rehab Inst of Chicago	794	0	0	0	0	0	0	794	0	0	0	0
	Total 1st 130 institutions	1,228,880	5,159	8,650	508,660	16,750	43,371	29,422	471,712	62	49,843	83,910	11,341
131	EEG Systems Lab	777	0	0	151	0	0	0	626	0	0	0	0
132	Lowell Observatory	745	0	0	40	0	0	0	0	0	571	134	0
133	Inst Medical Research	734	0	0	0	0	0	0	734	0	0	0	0
134	East-West Center	720	0	0	0	0	109	0	0	0	0	17	594
135	VA Mason Fdn-Med Educ&Res	718	0	0	0	0	0	0	690	0	0	28	0
136	Santa Fe Institute	678	0	0	0	0	340	0	0	0	0	338	0
137	Koba Institute	638	0	0	0	0	0	0	638	0	0	0	0
138	Oak Ridge Research Inst	620	0	0	0	0	0	0	0	0	0	620	0
139	Resources for Future Inc	618	0	43	0	0	0	575	0	0	0	0	0
140	James N Gamble Inst Med	611	0	0	196	0	0	0	415	0	0	0	0
	Total 1st 140 institutions	1,235,739	5,159	8,693	509,047	16,750	43,820	29,997	474,815	62	50,414	85,047	11,935
141	Energy Research Corp	600	0	0	0	0	600	0	0	0	0	0	0
142	Natl Public Srvc Rsch Ins	585	0	0	0	0	0	0	315	0	0	0	270
143	New England Fish Dev Fdn	580	0	580	0	0	0	0	0	0	0	0	0
144	Public Health Fdn - LA	561	0	0	0	0	0	0	561	0	0	0	0
145	Eye & Ear Inst Pittsburgh	560	0	0	0	0	0	0	560	0	0	0	0
146	Gulf South Research Inst	557	0	0	0	0	0	557	0	0	0	0	0
147	Gorgas Mem Inst Trpcl Med	556	0	0	231	0	0	0	325	0	0	0	0
148	Personnel Decisions R	549	0	0	549	0	0	0	0	0	0	0	0
149	Pacific Hlth Rsch Inst	531	0	0	0	0	0	0	531	0	0	0	0
150	Rockwell Intl Science Ctr	523	0	0	0	0	125	0	0	0	398	0	0
	Total 1st 150 institutions	1,241,341	5,159	9,273	509,827	16,750	44,545	30,554	477,107	62	50,812	85,047	12,205

See explanatory material at end of table.

(Continued)

Table B-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Inst Aerobics Research	523	0	0	0	0	0	0	523	0	0	0	0
152	Molecular Research Inst	511	0	0	0	0	0	90	421	0	0	0	0
153	Factory Mutual Research	508	0	108	0	0	400	0	0	0	0	0	0
154	Inst for Cancer Research	505	0	0	0	0	0	0	0	0	0	505	0
155	Agouron Institute	501	0	0	0	0	0	0	391	0	0	110	0
156	Berkshire Med Ctr	500	0	0	0	0	0	0	500	0	0	0	0
157	Corp Natl Rsch Initiative	500	0	0	0	0	0	0	0	0	0	500	0
158	Ctr for Policy Research	500	0	0	0	0	0	0	500	0	0	0	0
159	Medlantic Health Care	500	0	0	0	0	0	0	500	0	0	0	0
160	Pacific Inst Rsch&Eva	498	0	0	0	0	0	0	498	0	0	0	0
	Total 1st 160 institutions	1,246,387	5,159	9,381	509,827	16,750	44,945	30,644	480,440	62	50,812	86,162	12,205
161	Policy Center	489	0	0	0	0	0	0	489	0	0	0	0
162	Masonic Medical Rsch Lab	442	0	0	0	0	0	0	442	0	0	0	0
163	Amer Geological Inst	432	0	0	0	0	0	0	0	0	0	432	0
164	Florida Solar Energy Ctr	425	0	0	0	0	425	0	0	0	0	0	0
165	Coneg Policy Rsch Cntr	385	0	0	0	0	335	50	0	0	0	0	0
166	Inst Applied Physiol	377	0	0	0	0	0	0	377	0	0	0	0
167	Southwest Biomed Research	355	0	0	0	0	0	0	355	0	0	0	0
168	Point Reyes Bird Observ	351	0	35	0	0	0	0	0	0	0	316	0
169	Mt Desert Island Biol Lab	347	0	0	0	0	0	0	278	0	0	69	0
170	Inst for Biogerontology	314	0	0	0	0	0	0	314	0	0	0	0
	Total 1st 170 institutions	1,250,304	5,159	9,416	509,827	16,750	45,705	30,694	482,695	62	50,812	86,979	12,205
171	Philadelphia Psychiatric	299	0	0	0	0	0	0	299	0	0	0	0
172	La Jolla Clinic Res F	288	0	0	0	0	0	0	288	0	0	0	0
173	Search Institute	274	0	0	0	0	0	0	274	0	0	0	0
174	Cleveland Rsch Inst	265	0	0	0	0	0	0	265	0	0	0	0
175	Woods Hole Research C	263	0	0	0	0	0	135	0	0	0	128	0
176	Amb Sentinel Pract Ntwrk	262	0	0	0	0	0	0	262	0	0	0	0
177	Cal Child Study Fdn	260	0	0	0	0	0	0	260	0	0	0	0
178	Boston Mental Hlth Fdn	260	0	0	0	0	0	0	260	0	0	0	0
179	Salt Lake Clinic Res Fnd	257	0	0	0	0	0	0	257	0	0	0	0
180	Inst for Hormone Research	248	0	0	0	0	0	0	248	0	0	0	0
	Total 1st 180 institutions	1,252,980	5,159	9,416	509,827	16,750	45,705	30,829	485,108	62	50,812	87,107	12,205
181	Brookings Institution	245	0	0	0	0	0	0	245	0	0	0	0
182	Earthquake Eng Rsch Inst	244	0	0	0	0	0	0	0	0	0	244	0
183	Herditary Disease Fd	242	0	0	0	0	0	0	242	0	0	0	0
184	Center for Marine Conserv	241	0	241	0	0	0	0	0	0	0	0	0
185	Aspen Center for Physics	235	0	0	6	0	4	0	0	0	29	196	0
186	Fdn Blood Research	233	0	0	0	0	0	0	233	0	0	0	0
187	Inst for Regulatory Sci	232	0	0	0	0	232	0	0	0	0	0	0
188	Natl Cncl Fish Vess Safet	229	0	229	0	0	0	0	0	0	0	0	0
189	Peralta Cancer Research	207	0	0	0	0	0	0	207	0	0	0	0
190	Torrey Pines Inst Mol Std	200	0	0	0	0	0	0	0	0	0	200	0
	Total 1st 190 institutions	1,255,288	5,159	9,886	509,833	16,750	45,941	30,829	486,035	62	50,841	87,747	12,205
191	Industrial Tech Institute	181	0	0	97	0	0	0	0	0	0	84	0
192	Human Serv Rsch Inst	181	0	0	0	0	0	0	181	0	0	0	0
193	Inst Rsch on Socl Prob	180	0	0	0	0	0	0	180	0	0	0	0
194	D Guthrie Fdn Med Res	162	0	0	0	0	0	0	162	0	0	0	0
195	Integrated Rsch Services	160	0	0	0	0	0	0	160	0	0	0	0
196	Conservation Fdn	159	0	0	0	0	0	159	0	0	0	0	0
197	Sansum Med Rsch Fdn	157	0	0	0	0	0	0	157	0	0	0	0
198	Transnational Family Rsch	143	0	0	0	0	0	0	143	0	0	0	0
199	The Ctr for Great Lakes	140	0	140	0	0	0	0	0	0	0	0	0
200	Natl Conf St Legis Ldrs	140	0	0	0	0	0	140	0	0	0	0	0
	Total 1st 200 institutions	1,256,891	5,159	10,026	509,930	16,750	45,941	31,128	487,018	62	50,841	87,831	12,205

See explanatory material at end of table.

(Continued)

Table 8-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
201	Missouri Lions Eye Rch Fd	138	0	0	0	0	0	0	138	0	0	0	0
202	Miami Heart Institute	136	0	0	0	0	0	0	136	0	0	0	0
203	Weis Center for Research	130	0	0	0	0	0	0	112	0	0	18	0
204	Inst of Human Origins	128	0	0	0	0	0	0	0	0	0	128	0
205	Undersea and Hyperbaric M	127	0	127	0	0	0	0	0	0	0	0	0
206	Assoc Small Bus Dev Ctrs	127	0	127	0	0	0	0	0	0	0	0	0
207	Polymer Processing Inst	125	0	125	0	0	0	0	0	0	0	0	0
208	Educ & Technology Foundat	125	0	0	0	125	0	0	0	0	0	0	0
209	Reid Foundation	125	0	0	0	125	0	0	0	0	0	0	0
210	Sugar Process Rsch Inst	123	123	0	0	0	0	0	0	0	0	0	0
	Total 1st 210 institutions	1,258,175	5,282	10,405	509,930	17,000	45,941	31,128	487,404	62	50,841	87,977	12,205
211	Lankenau Med Rsch Center	119	0	0	0	0	0	0	119	0	0	0	0
212	Neuropsychiatric Inst	116	0	0	0	0	0	0	116	0	0	0	0
213	Amherst H Wilden Fdn	115	0	0	0	0	0	0	115	0	0	0	0
214	Hipple Cncr Rsch Ctr	110	0	0	0	0	0	0	110	0	0	0	0
215	Linus Pauling Institute	104	0	0	0	0	0	0	104	0	0	0	0
216	Sea World Research Inst	101	0	0	0	0	0	0	101	0	0	0	0
217	Seattle Biomed Rsch Inst	100	0	0	0	0	0	0	0	0	0	100	0
218	Hubbs Sea World Res Instt	98	0	98	0	0	0	0	0	0	0	0	0
219	Dolphus E Milgn Sci Rsch	98	0	0	0	0	0	0	98	0	0	0	0
220	Commercial Vehicle Safety	96	0	0	0	0	0	0	0	0	0	0	96
	Total 1st 220 institutions	1,259,232	5,282	10,503	509,930	17,000	45,941	31,128	488,167	62	50,841	88,077	12,301
221	Carnegie Inst of Pitts	95	0	0	0	0	0	0	0	0	0	95	0
222	Nature Conservancy	95	0	0	0	0	0	0	0	95	0	0	0
223	Inst Educ Leadership	94	0	0	0	0	0	0	0	0	0	94	0
224	La Jolla Biology Lab	80	0	0	0	0	0	0	0	0	0	80	0
225	Yale Southern Observa,Inc	80	0	0	0	0	0	0	0	0	0	80	0
226	Humanalysis Inc	80	0	0	0	0	0	0	80	0	0	0	0
227	Am Col Nuclear Physicists	75	0	0	0	0	75	0	0	0	0	0	0
228	Southern State Energy	73	0	0	0	0	73	0	0	0	0	0	0
229	Public Technology, Inc	70	0	0	0	0	0	70	0	0	0	0	0
230	Primak Educat Foundation	65	0	0	0	65	0	0	0	0	0	0	0
	Total 1st 230 institutions	1,260,039	5,282	10,503	509,930	17,065	46,089	31,198	488,247	157	50,841	88,426	12,301
231	Red Ark Dev Authority	65	65	0	0	0	0	0	0	0	0	0	0
232	House Ear Institute	62	0	0	0	0	0	0	62	0	0	0	0
233	Systems for Envir Mgt	60	60	0	0	0	0	0	0	0	0	0	0
234	Intl Computer Sci Inst	60	0	0	0	0	0	0	0	0	0	0	0
235	Society Indstrl App M	59	0	0	0	0	19	0	0	0	0	60	0
236	Arch Rsch Ctr Consortium	58	0	0	0	0	0	0	0	0	0	40	0
237	Assoc for Symbolic Logic	56	0	0	0	0	0	0	0	0	0	58	0
238	Inst for Scient Rsch Inc	55	0	0	0	0	0	0	0	0	0	56	0
239	Actis Inc.	50	0	50	0	0	0	0	0	0	0	55	0
240	Michigan Molecular Inst	50	0	0	0	0	0	0	0	0	0	0	0
	Total 1st 240 institutions	1,260,614	5,407	10,553	509,930	17,065	46,108	31,198	488,309	157	50,841	88,745	12,301
241	Amer Med Review Rsch Ctr	50	0	0	0	0	0	0	50	0	0	0	0
242	Siam Inst-Math & Society	48	0	0	0	0	0	0	0	0	0	48	0
243	Inst Med Rsch Bennington	47	0	0	0	0	0	47	0	0	0	0	0
244	Amer Registry Pathology	46	0	0	0	0	0	0	0	0	0	46	0
245	Hrlan Moore Heart Res	40	40	0	0	0	0	0	0	0	0	0	0
246	Florida Keys Artificial R	39	0	39	0	0	0	0	0	0	0	0	0
247	Maria Mitchell Observ	37	0	0	0	0	0	0	0	0	0	37	0
248	Applied Technology Cncl	34	0	0	0	0	0	0	0	0	0	34	0
249	Inst for Dev Anthropol	33	0	0	0	0	0	0	0	0	0	33	0
250	Inst for Rsch on Learning	33	0	0	0	0	0	0	33	0	0	0	0
	Total 1st 250 institutions	1,261,021	5,447	10,592	509,930	17,065	46,108	31,245	488,392	157	50,841	88,943	12,301

See explanatory material at end of table.

(Continued)

Table B-36. -- Federal obligations to research institutes for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
251	Computer Aided Manufactur	30	0	30	0	0	0	0	0	0	0	0	0
252	Gulf Shrimp Rch & Dev Fdn	29	0	29	0	0	0	0	0	0	0	0	0
253	Cancer Res Center	28	0	0	0	0	0	0	28	0	0	0	0
254	Sport Fishing Institute	27	0	27	0	0	0	0	0	0	0	0	0
255	Amer Fishermens Rsch Fdn	25	0	25	0	0	0	0	0	0	0	0	0
256	Joint Ctr Politcl Studies	24	0	0	0	0	0	0	24	0	0	0	0
257	ASM International	18	0	18	0	0	0	0	0	0	0	0	0
258	Textile Research Inst	15	15	0	0	0	0	0	0	0	0	0	0
259	American Planning Assoc	15	0	0	0	0	0	15	0	0	0	0	0
260	Mote Marine Laboratory	13	0	0	0	0	0	0	0	0	0	13	0
	Total 1st 260 institutions	1,261,245	5,462	10,721	509,930	17,065	46,108	31,260	488,444	157	50,841	88,956	12,301
261	Potomac Inst Econ Rsch	10	0	0	0	0	0	0	0	0	0	0	10
262	Utah Research Institute	8	0	0	0	0	0	8	0	0	0	0	0
263	Soc for Development Bio	6	0	0	0	0	0	0	0	0	0	6	0
264	Rancho Santa Ana Bot Gdns	4	0	0	0	0	0	0	0	0	0	4	0
265	Rcky Mtn Biol Lab	4	0	0	0	0	0	0	0	0	0	4	0
266	Zweng Mem Retina Rsch Ctr	1	0	0	0	0	0	0	1	0	0	0	0
	Total 1st 266 institutions	1,261,278	5,462	10,721	509,930	17,065	46,108	31,268	488,445	157	50,841	88,970	12,311

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-37. -- Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 5)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	494,217	0	0	1,694	0	1,786	583	487,991	0	599	1,564	0
1	Brigham and Women's Hosp	59,894	0	0	0	0	0	399	59,495	0	0	0	0
2	Mass General Hospital	56,838	0	0	228	0	193	0	56,378	0	39	0	0
3	Scripps Clinic & Res Fdn	54,549	0	0	947	0	0	0	52,782	0	201	619	0
4	Dana-Farber Cancer Inst	41,799	0	0	0	0	0	0	41,507	0	0	292	0
5	Children's Hospital	23,366	0	0	0	0	0	0	23,136	0	140	90	0
6	N Eng Med Ctr & Hospitals	19,887	0	0	0	0	596	0	19,291	0	0	0	0
7	Beth Israel Hospital	15,684	0	0	0	0	0	0	15,629	0	55	0	0
8	Cleveland Clinic Fdn	12,506	0	0	0	0	0	0	12,430	0	0	76	0
9	St Jude Child Rsch Hosp	11,756	0	0	0	0	0	0	11,756	0	0	0	0
10	Child Hosp of Phila	11,619	0	0	0	0	0	0	11,619	0	0	0	0
	Total 1st 10 institutions	307,898	0	0	1,175	0	789	399	304,023	0	435	1,077	0
11	Mclean Hospital	10,444	0	0	0	0	0	0	10,394	0	0	50	0
12	Jewish Hosp of St Louis	9,656	0	0	0	0	0	0	9,656	0	0	0	0
13	N Eng Deaconess Hospital	9,484	0	0	157	0	0	0	9,327	0	0	0	0
14	Montefiore Hosp & Med Ctr	9,260	0	0	0	0	0	0	9,260	0	0	0	0
15	Henry Ford Hospital	8,656	0	0	110	0	0	0	8,546	0	0	0	0
16	Child Hosp of Los Angeles	6,911	0	0	0	0	0	0	6,911	0	0	0	0
17	Cedars-Sinai Med Ctr	6,585	0	0	112	0	0	0	6,473	0	0	0	0
18	Mass Eye & Ear Infirmary	6,322	0	0	0	0	0	0	6,277	0	45	0	0
19	Rush Prsbytrn/St Lks	5,791	0	0	0	0	0	0	5,686	0	0	105	0
20	University Hospital	4,842	0	0	0	0	0	0	4,842	0	0	0	0
	Total 1st 20 institutions	385,849	0	0	1,554	0	789	399	381,395	0	480	1,232	0
21	Child Hosp Med Ctr Cincin	4,566	0	0	0	0	0	135	4,431	0	0	0	0
22	Long Isl Jewish Hillside	3,845	0	0	0	0	0	0	3,845	0	0	0	0
23	Child Hosp of Pittsburgh	3,749	0	0	0	0	0	0	3,749	0	0	0	0
24	Memorial Hosp-Pawtucket	3,720	0	0	0	0	0	0	3,720	0	0	0	0
25	Roger Williams Gen Hosp	3,688	0	0	0	0	0	0	3,688	0	0	0	0
26	Philadelphia Geriatrc Ctr	3,577	0	0	0	0	0	0	3,567	0	0	10	0
27	City of Hope Medical Ctr	3,560	0	0	0	0	0	0	3,500	0	0	60	0
28	Good Samaritan Hosp&Med C	3,388	0	0	0	0	0	0	3,298	0	90	0	0
29	Scripps Memorial Hospital	3,136	0	0	0	0	0	0	3,136	0	0	0	0
30	Hosp for Special Surgery	2,763	0	0	0	0	0	0	2,763	0	0	0	0
	Total 1st 30 institutions	421,841	0	0	1,554	0	789	534	417,092	0	570	1,302	0
31	John Muir Memorial Hosp	2,756	0	0	0	0	0	0	2,756	0	0	0	0
32	Mercy Catholic Med Ctr	2,755	0	0	0	0	0	0	2,755	0	0	0	0
33	St Luke's Hospital Center	2,724	0	0	0	0	0	0	2,659	0	0	65	0
34	Rhode Island Hospital	2,622	0	0	0	0	0	0	2,590	0	0	32	0
35	North Shore Univ Hosp	2,488	0	0	0	0	0	0	2,488	0	0	0	0
36	Mchl Reese Hosp & Med Ctr	2,066	0	0	0	0	0	0	2,066	0	0	0	0
37	Child Orthopedic Hospital	1,815	0	0	0	0	0	0	1,815	0	0	0	0
38	Univeristy Hosps-Clevelnd	1,753	0	0	0	0	0	0	1,753	0	0	0	0
39	St Joseph's Hosp&Med Ctr	1,721	0	0	0	0	0	0	1,721	0	0	0	0
40	Eye & Ear Hosp - Pittsbgh	1,687	0	0	0	0	0	0	1,687	0	0	0	0
	Total 1st 40 institutions	444,228	0	0	1,554	0	789	534	439,382	0	570	1,399	0
41	Child Memorial Hospital	1,656	0	0	0	0	0	0	1,656	0	0	0	0
42	St Elizabeth's Hp-Brg	1,649	0	0	0	0	0	0	1,649	0	0	0	0
43	Child Hosp&Med Ctr N Cal	1,573	0	0	0	0	0	0	1,573	0	0	0	0
44	Presbyterian Hosp In NY	1,482	0	0	0	0	0	0	1,482	0	0	0	0
45	Hebrew Rehab Center	1,397	0	0	0	0	0	0	1,397	0	0	0	0
46	Prsbytn Univ Penn Med Ctr	1,356	0	0	0	0	0	0	1,356	0	0	0	0
47	Beth Israel Medical Ctr	1,343	0	0	0	0	0	0	1,343	0	0	0	0
48	Child Hosp of Columbus	1,335	0	0	0	0	0	0	1,335	0	0	0	0
49	Hosp Joint Dis Ortho	1,212	0	0	0	0	0	0	1,212	0	0	0	0
50	Burke Rehab Ctr	1,171	0	0	0	0	0	0	1,171	0	0	0	0
	Total 1st 50 institutions	458,402	0	0	1,554	0	789	534	453,556	0	570	1,399	0

See explanatory material at end of table.

(Continued)

Table B-37. -- Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Graduate Hosp	1,128	0	0	0	0	0	0	1,128	0	0	0	0
52	Miriam Hospital	1,086	0	0	0	0	0	0	1,057	0	29	0	0
53	Cathlc Med C Brklyn & Qns	1,084	0	0	0	0	0	0	1,084	0	0	0	0
54	Mt Sinai Medical Ctr Inc	1,066	0	0	0	0	0	0	1,066	0	0	0	0
55	Mt Zion Hosp & Med Ctr	1,058	0	0	0	0	0	0	1,058	0	0	0	0
56	Mary Imogene Basset Hosp	1,046	0	0	0	0	0	0	1,046	0	0	0	0
57	Mt Sinai Hosp Med Ctr Fla	999	0	0	0	0	0	0	999	0	0	0	0
58	Montefiore Hospital	995	0	0	0	0	0	0	995	0	0	0	0
59	Magee Women's Hosp	992	0	0	0	0	0	0	992	0	0	0	0
60	Pennsylvania Hospital	952	0	0	0	0	0	0	952	0	0	0	0
	Total 1st 60 institutions	468,808	0	0	1,554	0	789	534	463,933	0	599	1,399	0
61	Providence Med Ctr-Prtlnd	882	0	0	0	0	0	0	882	0	0	0	0
62	Mt Sinai Hosp-Cleveland	879	0	0	0	0	0	0	879	0	0	0	0
63	Gessinger Medical Center	841	0	0	0	0	0	0	841	0	0	0	0
64	Good Samaritan Hospital	792	0	0	0	0	792	0	0	0	0	0	0
65	Columbus Hospital	729	0	0	0	0	0	0	729	0	0	0	0
66	Wills Eye Hospital	667	0	0	0	0	0	0	667	0	0	0	0
67	Latter-Day Saints Hosp	655	0	0	0	0	0	0	655	0	0	0	0
68	Amer Cancer Rsch Ctr Hosp	617	0	0	0	0	0	0	617	0	0	0	0
69	Sinai Hospital of Detroit	596	0	0	0	0	0	0	596	0	0	0	0
70	Children's Hosp-St Paul	540	0	0	0	0	0	0	540	0	0	0	0
	Total 1st 70 institutions	476,006	0	0	1,554	0	1,581	534	470,339	0	599	1,399	0
71	William Beaumont Hospital	505	0	0	0	0	0	0	505	0	0	0	0
72	Evanston Hospital	487	0	0	0	0	0	0	487	0	0	0	0
73	Bronx-Lebanon Hospital Ct	460	0	0	0	0	0	0	460	0	0	0	0
74	Northwestern Mem Hospital	445	0	0	0	0	0	0	445	0	0	0	0
75	Child Hosp of Michigan	435	0	0	0	0	0	0	435	0	0	0	0
76	Carrier Clinic Fdn	413	0	0	0	0	0	0	413	0	0	0	0
77	Presbyterian - Univ Hosp	394	0	0	0	0	0	0	394	0	0	0	0
78	Washington Hosp Ctr	382	0	0	140	0	0	0	242	0	0	0	0
79	Albert Einstein Med Ctr	381	0	0	0	0	0	0	381	0	0	0	0
80	Swedish Hospital Med Ctr	375	0	0	0	0	0	0	375	0	0	0	0
	Total 1st 80 institutions	480,283	0	0	1,694	0	1,581	534	474,476	0	599	1,399	0
81	Genesee Hospital	361	0	0	0	0	0	0	361	0	0	0	0
82	Women & Infants Hp of	356	0	0	0	0	0	0	356	0	0	0	0
83	Lahey Clinic Fdn	334	0	0	0	0	0	0	334	0	0	0	0
84	Texas Children's Hospital	316	0	0	0	0	0	0	316	0	0	0	0
85	Scott and White Mem Hosp	295	0	0	0	0	0	0	295	0	0	0	0
86	St Francis Hosp/Wichi	294	0	0	0	0	0	0	294	0	0	0	0
87	Child Hosp & Mlth Cntr	286	0	0	0	0	0	0	286	0	0	0	0
88	Kaiser Foundation Hosp	285	0	0	0	0	0	0	285	0	0	0	0
89	Pacific Med Ctr	284	0	0	0	0	0	0	284	0	0	0	0
90	Baptist Med Ctr-Prnct	282	0	0	0	0	0	0	282	0	0	0	0
	Total 1st 90 institutions	483,376	0	0	1,694	0	1,581	534	477,569	0	599	1,399	0
91	St Francis Hosp & Med	273	0	0	0	0	0	0	273	0	0	0	0
92	Providence Hospital-Mich	270	0	0	0	0	0	0	270	0	0	0	0
93	Child Asthma Rsch Inst	270	0	0	0	0	0	0	270	0	0	0	0
94	St Luke's Hosp-Fargo	265	0	0	0	0	0	0	265	0	0	0	0
95	Child Hosp of Buffalo	259	0	0	0	0	0	0	259	0	0	0	0
96	Memorial Hosp & Med Ctr	256	0	0	0	0	0	0	256	0	0	0	0
97	Brookdale Hospital Center	242	0	0	0	0	0	0	242	0	0	0	0
98	Butler Hospital	230	0	0	0	0	0	0	230	0	0	0	0
99	Mount Sinai Hospital	227	0	0	0	0	0	0	227	0	0	0	0
100	Grant Hospital	207	0	0	0	0	0	0	207	0	0	0	0
	Total 1st 100 institutions	485,875	0	0	1,694	0	1,581	534	480,068	0	599	1,399	0

See explanatory material at end of table.

(Continued)

Table B-37. -- Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	Johns Hopkins Hospital	205	0	0	0	0	205	0	0	0	0	0	0
102	Butterworth Hospital	192	0	0	0	0	0	0	192	0	0	0	0
103	St. Joseph Hospital	191	0	0	0	0	0	0	191	0	0	0	0
104	Ingalls Mem Hospital	186	0	0	0	0	0	0	186	0	0	0	0
105	Blodgett Memorial Med Ctr	184	0	0	0	0	0	0	184	0	0	0	0
106	St Vincent Med Ctr	180	0	0	0	0	0	0	180	0	0	0	0
107	Fresno Cmty Hosp	178	0	0	0	0	0	0	178	0	0	0	0
108	Medical Center Delaware	174	0	0	0	0	0	0	174	0	0	0	0
109	Winthrop Univ Hosp	169	0	0	0	0	0	0	169	0	0	0	0
110	Merritt-Peralta Hospital	157	0	0	0	0	0	0	157	0	0	0	0
	Total 1st 110 institutions	487,691	0	0	1,694	0	1,786	534	481,679	0	599	1,399	0
111	Kettering Medical Center	152	0	0	0	0	0	0	152	0	0	0	0
112	Methodist Hospital-Peoria	152	0	0	0	0	0	0	152	0	0	0	0
113	Rochester St Mary's Hosp	149	0	0	0	0	0	0	149	0	0	0	0
114	Manhattan Eye/Ear/Throat	147	0	0	0	0	0	0	147	0	0	0	0
115	Penrose Hospital	145	0	0	0	0	0	0	145	0	0	0	0
116	Lankenau Hospital	145	0	0	0	0	0	0	145	0	0	0	0
117	Baptist Med Ctr	144	0	0	0	0	0	0	144	0	0	0	0
118	St Johns Mercy Med C	132	0	0	0	0	0	0	132	0	0	0	0
119	Illinois Masonic Med Ctr	129	0	0	0	0	0	0	129	0	0	0	0
120	St Vincent Hospital	128	0	0	0	0	0	0	128	0	0	0	0
	Total 1st 120 institutions	489,114	0	0	1,694	0	1,786	534	483,102	0	599	1,399	0
121	Mercy Hosp/Scranton	125	0	0	0	0	0	0	125	0	0	0	0
122	Hartford Hospital	122	0	0	0	0	0	0	122	0	0	0	0
123	St John's Reg'l Hlth	120	0	0	0	0	0	0	120	0	0	0	0
124	Touro Research Institute	119	0	0	0	0	0	0	119	0	0	0	0
125	Hackensack Hosp	118	0	0	0	0	0	0	118	0	0	0	0
126	Child Hosp-Palo Alto	113	0	0	0	0	0	0	113	0	0	0	0
127	Good Samaritan Med Ctr	112	0	0	0	0	0	0	112	0	0	0	0
128	Rutland Regional Med Ctr	110	0	0	0	0	0	0	110	0	0	0	0
129	St Francis Hosp	108	0	0	0	0	0	0	108	0	0	0	0
130	Borgess Med Center	107	0	0	0	0	0	0	107	0	0	0	0
	Total 1st 130 institutions	490,268	0	0	1,694	0	1,786	534	484,256	0	599	1,399	0
131	Maine Medical Center	106	0	0	0	0	0	0	106	0	0	0	0
132	St. Luke's Hosp Milwaukee	106	0	0	0	0	0	0	106	0	0	0	0
133	Methodist Hosp of Indiana	105	0	0	0	0	0	0	105	0	0	0	0
134	Eastern Maine Med Ctr	94	0	0	0	0	0	0	94	0	0	0	0
135	Union Memorial Hospital	89	0	0	0	0	0	0	89	0	0	0	0
136	Parkside Lutheran Hosp	88	0	0	0	0	0	0	88	0	0	0	0
137	Carle Foundation Hosp	85	0	0	0	0	0	0	0	0	0	85	0
138	Cedars Medical Center	85	0	0	0	0	0	0	85	0	0	0	0
139	Overlook Hospital	85	0	0	0	0	0	0	85	0	0	0	0
140	Maimonides Medical Center	82	0	0	0	0	0	0	82	0	0	0	0
	Total 1st 140 institutions	491,193	0	0	1,694	0	1,786	534	485,096	0	599	1,484	0
141	Peter Bent Brigham Hosp	80	0	0	0	0	0	0	0	0	0	80	0
142	St Vincent's Hosp&Med Ctr	78	0	0	0	0	0	0	78	0	0	0	0
143	St Joseph's Hosp-Atln	78	0	0	0	0	0	0	78	0	0	0	0
144	St Luke's Hosp-Kansas C	75	0	0	0	0	0	0	75	0	0	0	0
145	Sutter Cmty Hosps-Scm	73	0	0	0	0	0	0	73	0	0	0	0
146	Children's Mercy Hp-K	64	0	0	0	0	0	0	64	0	0	0	0
147	Holy Cross Hosp	63	0	0	0	0	0	0	63	0	0	0	0
148	Rapid City Regional Hosp	56	0	0	0	0	0	0	56	0	0	0	0
149	Roanoke Mem Hosps	55	0	0	0	0	0	0	55	0	0	0	0
150	Sinai Hospital of Balto	54	0	0	0	0	0	0	54	0	0	0	0
	Total 1st 150 institutions	491,869	0	0	1,694	0	1,786	534	485,692	0	599	1,564	0

See explanatory material at end of table.

(Continued)

Table B-37. -- Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Moss Rehabilitation Hosp	54	0	0	0	0	0	0	54	0	0	0	0
152	Charleston Area Med Ctr	52	0	0	0	0	0	0	52	0	0	0	0
153	St Luke's Hosp-Unitd Meth	50	0	0	0	0	0	0	50	0	0	0	0
154	St Peter's Community Hosp	50	0	0	0	0	0	0	50	0	0	0	0
155	Phillips County Hospital	50	0	0	0	0	0	0	50	0	0	0	0
156	Molokai General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
157	Mercy Hospital - Grayling	50	0	0	0	0	0	0	50	0	0	0	0
158	Gritman Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
159	Pembina County Mem Hospit	50	0	0	0	0	0	0	50	0	0	0	0
160	Comm Memorial Hosp Winona	50	0	0	0	0	0	0	50	0	0	0	0
	Total 1st 160 institutions	492,375	0	0	1,694	0	1,786	534	486,198	0	599	1,564	0
161	Cook County N Shore Hosp	50	0	0	0	0	0	0	50	0	0	0	0
162	Mountain View Dstrct Hosp	50	0	0	0	0	0	0	50	0	0	0	0
163	Troy Community Hospital	50	0	0	0	0	0	0	50	0	0	0	0
164	Charles Cole Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
165	Beatrice Comm Hosp&Health	50	0	0	0	0	0	0	50	0	0	0	0
166	Cottage Hospital	50	0	0	0	0	0	0	50	0	0	0	0
167	Methodist Hospital	50	0	0	0	0	0	0	50	0	0	0	0
168	Cuba Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
169	Tri-County Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
170	Asha Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
	Total 1st 170 institutions	492,875	0	0	1,694	0	1,786	534	486,698	0	599	1,564	0
171	Blowing Rock Hospital	50	0	0	0	0	0	0	50	0	0	0	0
172	Comm Mem Hosp - Hettinger	50	0	0	0	0	0	0	50	0	0	0	0
173	Memorial Hosp - Boscobel	50	0	0	0	0	0	0	50	0	0	0	0
174	Mercy Hospital Williston	50	0	0	0	0	0	0	50	0	0	0	0
175	Hill Country Memorial Hsp	50	0	0	0	0	0	0	50	0	0	0	0
176	Okarche Memorial Hospital	50	0	0	0	0	0	0	50	0	0	0	0
177	Goodall Witcher Hospital	50	0	0	0	0	0	0	50	0	0	0	0
178	Adams Cnty Mem Hosp & Nrs	50	0	0	0	0	0	0	50	0	0	0	0
179	Breckinridge Mem Hospital	50	0	0	0	0	0	0	50	0	0	0	0
180	Our Lady of the Way Hosp	50	0	0	0	0	0	0	50	0	0	0	0
	Total 1st 180 institutions	493,375	0	0	1,694	0	1,786	534	487,198	0	599	1,564	0
181	Castaner General Hospital	50	0	0	0	0	0	0	50	0	0	0	0
182	Community Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
183	Memorial Hosp - Iowa Cnty	50	0	0	0	0	0	0	50	0	0	0	0
184	R.J. Taylor Memorial Hosp	50	0	0	0	0	0	0	50	0	0	0	0
185	Helena Hospital	50	0	0	0	0	0	0	50	0	0	0	0
186	San Francisco General Hsp	49	0	0	0	0	0	49	0	0	0	0	0
187	Teton Medical Center	48	0	0	0	0	0	0	48	0	0	0	0
188	Griggs County Hospital	47	0	0	0	0	0	0	47	0	0	0	0
189	Kittson Memorial Hospital	47	0	0	0	0	0	0	47	0	0	0	0
190	Paul Oliver Memorial Hosp	45	0	0	0	0	0	0	45	0	0	0	0
	Total 1st 190 institutions	493,861	0	0	1,694	0	1,786	583	487,635	0	599	1,564	0
191	Copley Hospital	44	0	0	0	0	0	0	44	0	0	0	0
192	Charlevoix Hospital	43	0	0	0	0	0	0	43	0	0	0	0
193	St Joseph Hosp, Houston	41	0	0	0	0	0	0	41	0	0	0	0
194	St. Josephs Hosp Arcadia	39	0	0	0	0	0	0	39	0	0	0	0
195	St. Mary's Hosp - Sparta	39	0	0	0	0	0	0	39	0	0	0	0
196	Socorro General Hospital	38	0	0	0	0	0	0	38	0	0	0	0
197	Alta Bates Hospital	21	0	0	0	0	0	0	21	0	0	0	0
198	Baptist Hosptial Winner	21	0	0	0	0	0	0	21	0	0	0	0
199	Gregory Community Hosp	15	0	0	0	0	0	0	15	0	0	0	0
200	Danbury Hosp	11	0	0	0	0	0	0	11	0	0	0	0
	Total 1st 200 institutions	494,173	0	0	1,694	0	1,786	583	487,947	0	599	1,564	0

See explanatory material at end of table.

(Continued)

Table B-37. -- Federal obligations to voluntary hospitals for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
201	Wagner Comm Memorial Hosp	6	0	0	0	0	0	0	6	0	0	0	0
202	St. Benedict Hospital	6	0	0	0	0	0	0	6	0	0	0	0
203	St. Michael's Hospital	6	0	0	0	0	0	0	6	0	0	0	0
204	Dakota Hospital	6	0	0	0	0	0	0	6	0	0	0	0
205	Freeman Community Hosp	6	0	0	0	0	0	0	6	0	0	0	0
206	Pioneer Memorial Hosptial	6	0	0	0	0	0	0	6	0	0	0	0
207	Landmann Jungman Mem Hosp	6	0	0	0	0	0	0	6	0	0	0	0
208	Lorain Cmty Hospital	2	0	0	0	0	0	0	2	0	0	0	0
Total 1st 208 institutions		494,217	0	0	1,694	0	1,786	583	487,991	0	599	1,564	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 7)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	322,920	1,610	6,150	38,991	5,474	74,639	5,480	77,980	817	51,570	45,459	14,750
1	Nat'l Academy of Sciences	62,559	50	28	14,368	0	21,794	2,209	2,182	815	14,105	6,919	89
2	Mayo Foundation	39,801	0	0	1,504	0	0	0	37,836	0	0	461	0
3	Assn Univs Rsch & Astron	27,346	0	0	50	0	0	0	0	0	27,296	0	0
4	Universities Res Assoc	24,560	0	0	0	0	24,500	0	0	0	0	60	0
5	Amer Society-Engr Educ	13,457	0	0	13,110	0	0	0	0	0	0	347	0
6	Natl Jewish Ctr Immunolog	9,705	0	0	0	0	0	0	9,699	0	0	6	0
7	Assn of American Railrds	9,218	0	0	0	0	0	0	0	0	0	0	9,218
8	Universities Space Rsch	8,651	0	0	730	0	0	0	0	0	7,921	0	0
9	Inst of Gas Technology	8,344	0	0	169	0	8,175	0	0	0	0	0	0
10	American Iron & Steel Ins	7,985	0	0	0	0	7,985	0	0	0	0	0	0
	Total 1st 10 institutions	211,626	50	28	29,931	0	62,454	2,209	49,717	815	49,322	7,793	9,307
11	Sthestrn Ctr Elec Eng Ed	5,572	0	0	5,572	0	0	0	0	0	0	0	0
12	Joslin Diabetes Fdn Inc	4,129	0	0	0	0	0	0	4,129	0	0	0	0
13	New York Blood Center	4,088	0	0	570	0	0	0	3,518	0	0	0	0
14	Population Council	3,205	0	0	0	0	0	0	3,205	0	0	0	0
15	Carnegie Inst of Wash	3,086	100	0	0	0	5	0	1,566	0	282	1,133	0
16	Inst of Nuclear Power	3,055	0	0	0	0	3,055	0	0	0	0	0	0
17	Consortium Intl Dev	3,000	0	0	0	0	0	0	0	0	0	0	3,000
18	Natl Sci Teachers Assoc	2,695	0	0	0	0	0	0	0	0	567	2,128	0
19	No Cntl Reg Educatnl Lab	2,606	0	0	0	2,606	0	0	0	0	0	0	0
20	Jay David Gladstone Fdn	2,371	0	0	0	0	0	0	2,371	0	0	0	0
	Total 1st 20 institutions	245,433	150	28	36,073	2,606	65,514	2,209	64,506	815	50,171	11,054	12,307
21	Amer Type Culture Coll	2,342	12	0	0	0	316	0	2,014	0	0	0	0
22	The Regn Lab Educ Improve	2,254	0	0	0	2,254	0	0	0	0	0	0	0
23	Biol Sci Curiculm Stdy Co	2,220	0	0	0	0	0	0	0	0	0	0	0
24	John B Pierce Fdn of Conn	2,161	0	0	109	0	0	72	1,980	0	0	2,220	0
25	Issaquah Gr Hlth & Env	2,003	0	0	0	0	0	0	2,003	0	0	0	0
26	Electric Power Research	1,998	0	0	0	0	1,873	0	0	0	85	40	0
27	Nat Fisheries Edu/Rsch Fd	1,943	0	1,943	0	0	0	0	0	0	0	0	0
28	Amer Dental Assoc Hlth	1,561	0	0	0	0	0	0	1,561	0	0	0	0
29	Amer Assoc-Advancmnt Sci	1,551	0	0	0	0	0	183	0	0	0	1,368	0
30	Missouri Botanical Garden	1,525	0	0	0	0	0	0	133	0	0	1,392	0
	Total 1st 30 institutions	264,991	162	1,971	36,182	4,860	67,703	2,464	72,197	815	50,256	16,074	12,307
31	Field Museum Natural Hist	1,499	0	0	0	0	0	0	0	0	17	1,482	0
32	Dosecc, Inc	1,453	0	0	0	0	0	0	0	0	0	1,453	0
33	Paths/Prism	1,399	0	0	0	0	0	0	0	0	0	1,399	0
34	Assoc Westrn Univ, Inc	1,385	0	0	0	0	1,385	0	0	0	0	0	0
35	Milwaukee Blood Center	1,355	0	0	0	0	0	0	1,355	0	0	0	0
36	Amer Statistical Assoc	1,328	0	0	0	0	46	0	0	0	0	1,282	0
37	Hanford Occ Hlth Found	1,100	0	0	0	0	1,100	0	0	0	0	0	0
38	Natl Assn for Eq Opp H Ed	1,051	0	0	1,051	0	0	0	0	0	0	0	0
39	Pacific Fishery Dev Fds	1,031	0	1,031	0	0	0	0	0	0	0	0	0
40	National Governor's Assoc	1,006	0	0	0	0	0	881	0	0	0	115	10
	Total 1st 40 institutions	277,598	162	3,002	37,233	4,860	70,234	3,345	73,552	815	50,273	21,805	12,317
41	W Pacific Reg Mgmt Cncl	954	0	954	0	0	0	0	0	0	0	0	0
42	Amer Inst of Physics	917	0	0	0	0	25	0	0	0	0	892	0
43	Ctr Holistic Resource Mgt	912	0	0	0	0	0	0	0	0	0	0	912
44	Puget Sound Blood Center	910	0	0	0	0	0	0	910	0	0	0	0
45	The Exploratorium	841	0	0	0	0	0	0	0	0	0	841	0
46	Acad Natural Sci of Phil	828	0	0	0	0	0	0	0	0	0	828	0
47	Emma Pendleton Brdly	794	0	0	0	0	0	0	794	0	0	0	0
48	New York Botanical Garden	783	0	0	0	0	44	0	0	0	0	739	0
49	Waste Policy Institute	762	0	0	0	0	762	0	0	0	0	0	0
50	Natl Acad Public Admin	752	0	0	0	0	0	0	0	0	752	0	0
	Total 1st 50 institutions	286,051	162	3,956	37,233	4,860	71,065	3,345	75,256	815	51,025	25,105	13,229

See explanatory material at end of table.

(Continued)

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Interstate Oil Compact	730	0	0	0	0	730	0	0	0	0	0	0
52	West Interst Comm High Ed	711	0	0	0	0	0	0	0	0	0	711	0
53	Science Museum Minnesota	686	0	0	0	0	0	0	0	0	0	686	0
54	Ohio's Ctr Sci & Industry	660	0	0	0	0	0	0	0	0	0	660	0
55	Spring & Groundwater Inst	654	654	0	0	0	0	0	0	0	0	0	0
56	Alton Ochsner Med Fndtn	648	0	0	0	0	0	0	648	0	0	0	0
57	Harbor Branch Oceo Inst	611	0	0	0	0	0	0	353	0	0	258	0
58	Amer Museum of Natl Hist	601	0	0	0	0	0	0	0	0	58	503	0
59	Pacific Marine Fishery Co	601	0	601	0	0	0	0	0	0	0	0	0
60	Environmental Law Inst	597	0	0	0	0	0	597	0	0	0	0	0
	Total 1st 60 institutions	292,550	816	4,557	37,233	4,860	71,795	3,942	76,257	815	51,123	27,923	13,229
61	Societal Inst of the Math	597	0	0	0	0	5	0	592	0	0	0	0
62	Ocean Alliance	589	0	0	0	0	0	0	0	0	0	589	0
63	Hawaii Sugar Planters Ass	588	588	0	0	0	0	0	0	0	0	0	0
64	Houston Museum of Nat Sci	576	0	0	0	0	0	0	0	0	0	576	0
65	Natl Assc Biology Teacher	554	0	0	0	0	0	0	0	0	0	554	0
66	Montana Teachers of Math	553	0	0	0	0	0	0	0	0	0	553	0
67	Amer Acad of Arts & Sci	550	0	0	0	0	0	0	0	0	0	550	0
68	Displaced Homemakers Nwk	507	0	0	0	0	0	0	0	0	0	0	507
69	Educ Broadcasting Corp	500	0	0	0	0	0	0	0	0	0	500	0
70	Oregon Museum Sci Indstry	497	0	0	0	0	0	0	0	0	0	497	0
	Total 1st 70 institutions	298,061	1,404	4,557	37,233	4,860	71,800	3,942	76,849	815	51,123	31,742	13,736
71	Chief State Schl Off	487	0	0	0	0	0	0	0	0	119	368	0
72	Thames Science Center	487	0	0	0	0	0	0	0	0	0	487	0
73	West Coast Cancer Fdn	482	0	0	482	0	0	0	0	0	0	0	0
74	Amer Mathematical Society	474	0	0	8	0	0	0	0	0	0	466	0
75	Life Lab Sci Prog	470	0	0	0	0	0	0	0	0	0	470	0
76	Chesapeake Rsch Consort	465	0	75	0	0	0	390	0	0	0	0	0
77	American Chemical Society	454	0	0	24	0	154	40	0	0	0	236	0
78	Museum History & Science	452	0	0	0	0	0	0	0	0	0	452	0
79	W Wilson Natl Fellowship	418	0	0	0	0	0	0	0	0	0	418	0
80	American Foundrymen Soc	408	0	0	0	0	408	0	0	0	0	0	0
	Total 1st 80 institutions	302,658	1,404	4,632	37,747	4,860	72,362	4,372	76,849	815	51,242	34,639	13,736
81	Pacific Science Ctr Fdn	404	0	0	0	0	0	0	0	0	0	404	0
82	Society of Automotive Eng	396	0	80	315	0	0	0	0	0	0	0	1
83	Natl Gardening Assoc	367	0	0	0	0	0	0	0	0	0	367	0
84	Gordon Rsch Conferences	352	5	0	152	0	10	0	0	0	0	185	0
85	Am Printing Hs Blind	341	0	0	0	341	0	0	0	0	0	0	0
86	Marine Resources Devel Fd	338	0	338	0	0	0	0	0	0	0	0	0
87	Natl Cncl Rad Prot & Meas	334	0	0	0	0	217	42	0	0	75	0	0
88	Kaiser Foundation	312	0	0	0	0	0	0	312	0	0	0	0
89	American Geophysicl Union	297	0	6	10	0	10	20	0	0	42	209	0
90	Cncl of Great Lakes Govrn	290	0	0	0	0	290	0	0	0	0	0	0
	Total 1st 90 institutions	306,089	1,409	5,056	38,224	5,201	72,889	4,434	77,161	815	51,359	35,804	13,737
91	National Public Radio	281	0	0	0	0	0	0	0	0	0	281	0
92	Educational Testing Srvc	275	0	0	177	0	0	0	0	0	0	98	0
93	Menninger Foundation	272	0	0	0	0	0	0	272	0	0	0	0
94	Amer Indian Sci&Eng Soc	266	0	0	0	0	0	0	0	0	30	226	10
95	L A Educational Partnersh	261	0	0	0	0	0	0	0	0	0	261	0
96	Friends of Fermilab Assc	260	0	0	0	0	0	0	0	0	0	260	0
97	World Resources Institute	260	0	0	0	0	0	157	0	0	0	103	0
98	Museum of Science	257	0	0	0	0	0	0	0	0	0	257	0
99	National Urban League	255	0	0	0	0	0	0	0	0	0	253	2
100	Univ Assoc Rsch/Ed - Path	253	0	0	0	0	0	0	253	0	0	0	0
	Total 1st 100 institutions	308,729	1,409	5,056	38,401	5,201	72,889	4,591	77,686	815	51,389	37,543	13,749

See explanatory material at end of table.

(Continued)

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
101	Nebraskans for Pub Tel In	250	0	0	0	0	0	0	0	0	0	250	0
102	Public/Private Ventures	250	0	0	0	0	0	0	0	0	0	0	250
103	The Natl Learning Center	244	0	0	0	0	0	0	0	0	0	244	0
104	West Coast Fish Dev Fdn	243	0	243	0	0	0	0	0	0	0	0	0
105	Central Inst for the Deaf	239	0	0	115	0	0	0	0	0	124	0	0
106	Natl Safety Council	232	0	0	0	0	0	202	0	0	0	0	30
107	United Engineering Trusts	229	0	0	30	0	0	35	0	0	0	164	0
108	Business Labor Council	227	0	0	0	0	0	0	0	0	0	227	0
109	Climate Institute	225	0	105	0	0	0	120	0	0	0	0	0
110	Natl Cncl Tchrs of Math	221	0	0	0	0	0	0	0	0	0	221	0
	Total 1st 110 institutions	311,089	1,409	5,404	38,546	5,201	72,889	4,948	77,686	815	51,513	38,649	14,029
111	New England Aquarium Corp	216	0	0	0	0	0	0	0	0	0	216	0
112	Natl Assc Biology Teacher	214	0	0	0	0	0	0	0	0	0	214	0
113	Maine Audubon Society	212	0	0	0	0	0	0	0	0	0	212	0
114	Project Oceanology	212	0	0	0	0	0	0	0	0	0	212	0
115	Dairy Research Inc	200	0	0	0	0	200	0	0	0	0	0	0
116	NJ Bus Sci Ed Consortium	193	0	0	0	0	0	0	0	0	0	193	0
117	Kariotis & Associates	192	0	0	0	0	0	0	0	0	0	192	0
118	The Fdn Employment & Dis	192	0	0	0	0	0	0	0	0	0	192	0
119	Optical Soc of America	190	0	0	157	0	0	0	0	0	0	33	0
120	Educational Film Center	188	0	0	0	0	0	0	0	0	0	188	0
	Total 1st 120 institutions	313,098	1,409	5,404	38,703	5,201	73,089	4,948	77,686	815	51,513	40,301	14,029
121	Childrens Museum Boston	183	0	0	0	0	0	0	0	0	0	183	0
122	Impression 5 Museum	183	0	0	0	0	0	0	0	0	0	183	0
123	Amer Meteorological Soc	179	0	0	0	0	5	54	0	0	0	120	0
124	Industrial Mgmt Council	176	0	0	0	0	0	0	0	0	0	176	0
125	Iowa Oncology Rsch Assn	176	0	0	0	0	0	0	176	0	0	0	0
126	Amer Public Works Assoc	175	0	0	0	0	0	175	0	0	0	0	0
127	Energy Task Frce Mgt Co	173	0	0	0	0	173	0	0	0	0	0	0
128	Bakken Libr of Elect In L	169	0	0	0	0	0	0	0	0	0	169	0
129	Amer Assoc-Physics Tchrs	166	0	0	10	0	0	0	0	0	0	156	0
130	Texas Learning Tech Group	164	0	0	0	0	0	0	0	0	0	164	0
	Total 1st 130 institutions	314,842	1,409	5,404	38,713	5,201	73,267	5,177	77,862	815	51,513	41,452	14,029
131	LA Cty Museum of Nat Hist	157	0	0	0	0	0	0	0	0	0	157	0
132	NY Academy of Science	153	0	0	10	0	0	0	0	0	0	143	0
133	Int'l City Mangmnt Assoc	150	0	0	0	0	0	150	0	0	0	0	0
134	American Psychologl Assoc	149	0	0	0	0	0	0	0	0	0	149	0
135	Bernice P Bishop Museum	142	0	0	0	0	0	0	0	0	0	142	0
136	Social Science Rsch Cncl	141	0	0	0	0	0	0	0	0	0	141	0
137	Princeton Univ Press	138	0	0	0	0	0	0	0	0	0	138	0
138	Natl Assc Reg Utlty Comms	135	0	0	0	0	135	0	0	0	0	0	0
139	Corp Against Drug Abuse	133	0	0	0	0	0	0	0	0	0	0	133
140	US Export Cncl Renewable	132	0	0	0	0	132	0	0	0	0	0	0
	Total 1st 140 institutions	316,272	1,409	5,404	38,723	5,201	73,534	5,327	77,862	815	51,513	42,322	14,162
141	Inst of Elec Engrs Inc	128	0	0	82	0	15	0	0	0	0	45	6
142	Human Relations Area File	127	0	0	0	0	0	0	0	0	0	127	0
143	WGBH Educational Fdn	126	0	0	0	0	0	0	0	0	0	126	0
144	Alliance to Save Energy	125	0	0	0	0	125	0	0	0	0	0	0
145	Southeastern Fish Assoc	125	0	125	0	0	0	0	0	0	0	0	0
146	Natl Executive Serv Corps	122	0	0	0	0	0	0	0	0	0	122	0
147	American Economic Assc	120	0	0	0	0	0	0	0	0	0	120	0
148	Lafayette Nat Hist Mus As	118	0	0	0	0	0	0	0	0	0	118	0
149	The Masonry Society	117	0	0	0	0	0	0	0	0	0	117	0
150	Cincinatti Museum Nat His	116	0	0	0	0	0	0	0	0	0	116	0
	Total 1st 150 institutions	317,496	1,409	5,529	38,785	5,201	73,674	5,327	77,862	815	51,513	43,213	14,168

See explanatory material at end of table.

(Continued)

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
151	Amer Soc of Civil Eng	114	0	0	0	0	0	0	0	0	0	114	0
152	Amer Wind Energy Assoc	113	0	0	0	0	113	0	0	0	0	0	0
153	Amer Soc for Microbiology	113	0	0	20	0	0	0	0	0	0	93	0
154	Lovelace Biomed Environ	112	0	0	0	0	112	0	0	0	0	0	0
155	Council for Adv Sci Writ	112	0	0	0	0	0	0	0	0	0	112	0
156	Materials Research Soc	111	0	0	92	0	10	0	0	0	0	9	0
157	Assoc of Science-Tech Cnt	106	0	0	0	0	0	0	0	0	0	106	0
158	Gulf & S Atl Fish Dev Fdn	105	0	105	0	0	0	0	0	0	0	0	0
159	Natl Food Process Assoc	104	0	72	0	0	16	16	0	0	0	0	0
160	Natl Cncl State Housing A	100	0	0	0	0	0	0	0	0	0	0	100
	Total 1st 160 institutions	318,586	1,409	8,706	38,897	5,201	73,925	5,343	77,862	815	51,513	43,647	14,268
161	San Barb Museum Nat H	100	0	100	0	0	0	0	0	0	0	0	0
162	Society Hispanic Prof Eng	100	0	0	0	0	0	0	0	0	0	100	0
163	The Keystone Center	100	0	0	0	0	0	0	0	0	0	100	0
164	William C. Norris Inst	100	0	100	0	0	0	0	0	0	0	0	0
165	Michigan Biotech Inst	99	0	0	0	0	99	0	0	0	0	0	0
166	Atlantic Cncl of the US	99	0	0	0	0	99	0	0	0	0	0	0
167	ISEE Foundation	95	0	0	0	0	0	0	0	0	0	95	0
168	Amer Soc Testing & Matrls	84	0	0	0	0	0	81	0	0	0	0	3
169	American Electronics Assn	80	0	0	0	0	0	0	0	0	0	80	0
170	National Geothermal Assoc	78	0	0	0	0	78	0	0	0	0	0	0
	Total 1st 170 institutions	319,521	1,409	5,906	38,897	5,201	74,201	5,424	77,862	815	51,513	44,022	14,271
171	Mortgage Bankers Assoc	77	0	0	0	0	0	0	0	0	0	0	77
172	Minnesota Sci Teachers As	77	0	0	0	0	0	0	0	0	0	77	0
173	Amer Cncl - Learned Soc	77	0	0	0	0	0	0	0	0	0	77	0
174	Elkhorn Slough Foundation	76	0	76	0	0	0	0	0	0	0	0	0
175	Luna Vocation Tech Inst	75	0	0	0	0	75	0	0	0	0	0	0
176	Natl Soc of Professnl Eng	75	0	75	0	0	0	0	0	0	0	0	0
177	Ohio Agricultural R&D Ctr	72	72	0	0	0	0	0	0	0	0	0	0
178	Horticultural Producers F	70	70	0	0	0	0	0	0	0	0	0	0
179	Calif Academy of Sciences	69	0	0	0	0	0	0	0	0	0	69	0
180	Amer Assoc Immuolgst	66	0	0	0	0	0	0	66	0	0	0	0
	Total 1st 180 institutions	320,255	1,551	6,057	38,897	5,201	74,276	5,424	77,928	815	51,513	44,245	14,348
181	Willamette Sci & Tech	63	0	0	0	0	0	0	0	0	0	63	0
182	Madison Children's Museum	62	0	0	0	0	0	0	0	0	0	62	0
183	Helicon Foundation	60	0	0	60	0	0	0	0	0	0	0	0
184	Amer Soc for Cell Biology	59	0	0	0	0	0	0	0	0	0	59	0
185	Laser Institute America	58	0	0	0	0	0	0	0	0	0	58	0
186	Impact II	58	0	0	0	58	0	0	0	0	0	0	0
187	UIPC Research Foundation	58	0	0	0	0	58	0	0	0	0	0	0
188	Model Classrooms Assoc	57	0	0	0	57	0	0	0	0	0	0	0
189	Math Assoc of America	56	0	0	14	0	0	0	0	0	0	42	0
190	Natl Water Well Assoc	56	0	0	0	0	0	56	0	0	0	0	0
	Total 1st 190 institutions	320,842	1,551	6,057	38,971	5,316	74,334	5,480	77,928	815	51,513	44,529	14,348
191	Educational Support Systm	55	0	0	0	55	0	0	0	0	0	0	0
192	Bronx Educational Service	55	0	0	0	55	0	0	0	0	0	0	0
193	Socl Sci Ed Consort Inc	55	0	0	0	0	0	0	0	0	0	55	0
194	Museum of Sci & Industry	54	0	0	0	0	54	0	0	0	0	0	0
195	Pacific Basin Dev Council	50	0	50	0	0	0	0	0	0	0	0	0
196	US Global Strategy Cncl	50	0	0	0	0	0	0	0	0	0	0	50
197	Film Arts Foundation	50	0	0	0	0	0	0	0	0	0	50	0
198	National Cncl Jewish Wmn	48	0	0	0	0	0	0	0	0	0	0	48
199	Calif Cast Metals Assoc	48	0	0	0	0	48	0	0	0	0	0	0
200	Helen Keller Natl Ctr Def	48	0	0	0	48	0	0	0	0	0	0	0
	Total 1st 200 institutions	321,355	1,551	6,107	38,971	5,474	74,436	5,480	77,928	815	51,513	44,634	14,446

See explanatory material at end of table.

(Continued)

Table 8-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
201	Zoolgl Soc of San Diego	46	0	0	0	0	0	0	0	0	0	46	0
202	Fdn Glacier & Environ Rch	43	0	0	0	0	0	0	0	0	0	43	0
203	School for Field Studies	40	0	0	0	0	0	0	0	0	0	40	0
204	Inventors Council	40	0	0	0	0	40	0	0	0	0	0	0
205	American Nuclear Society	40	0	0	0	0	40	0	0	0	0	0	0
206	Life Science Rsch Fdn	36	0	0	0	0	36	0	0	0	0	0	0
207	Assoc for Computing Mach	36	0	0	0	0	0	0	0	0	0	36	0
208	Amer Soc of Mech Eng	36	0	0	0	0	0	0	0	0	0	36	0
209	Society Manufacturing Eng	35	0	0	0	0	0	0	0	0	0	35	0
210	Student Pugwash USA	34	0	0	0	0	0	0	0	0	0	34	0
	Total 1st 210 institutions	321,741	1,551	6,107	38,971	5,474	74,552	5,480	77,928	815	51,513	44,904	14,446
211	Amer Soc of Zoologists	34	0	0	5	0	0	0	0	0	0	29	0
212	Atlantic St Marine Fisher	33	0	33	0	0	0	0	0	0	0	0	0
213	Soc of Verterbrate Paleon	32	0	0	0	0	0	0	0	0	0	32	0
214	Amer Assoc Varble Star Ob	31	0	0	0	0	0	0	0	0	31	0	0
215	National History Day, Inc	30	0	0	0	0	0	0	0	0	0	30	0
216	Natl Assc St Consumer Adv	29	0	0	0	0	29	0	0	0	0	0	0
217	Illinois State Museum	28	0	0	0	0	0	0	0	0	0	28	0
218	VA Coop Extension Service	28	0	0	0	0	0	0	0	0	0	28	0
219	Juvenile Diabetes Fdn	27	0	0	0	0	0	0	27	0	0	0	0
220	Women's Action Alliance	27	0	0	0	0	0	0	0	0	0	27	0
	Total 1st 220 institutions	322,040	1,551	6,140	38,976	5,474	74,581	5,480	77,955	815	51,544	45,078	14,446
221	American Bar Foundation	27	0	0	0	0	0	0	0	0	0	27	0
222	Natl Cons Grad Eng Min	26	0	0	0	0	0	0	0	0	26	0	0
223	The Labor Institute, Inc.	25	0	0	0	0	0	0	0	0	0	0	25
224	Assn Rsch Vision & Ophth	25	0	0	0	0	0	0	25	0	0	0	0
225	Human Serv Risk Mgmt Exch	25	0	0	0	0	0	0	0	0	0	0	25
226	Natl Assc Commissions Wm	25	0	0	0	0	0	0	0	0	0	0	25
227	Natl Assc Home Builders	25	0	0	0	0	0	0	0	0	0	0	25
228	Natl Ctr for Neighb Ent	25	0	0	0	0	0	0	0	0	0	0	25
229	Allegheny Electric Coop	25	0	0	0	0	25	0	0	0	0	0	0
230	American Council On Educa	25	0	0	0	0	0	0	0	0	0	25	0
	Total 1st 230 institutions	322,293	1,551	6,140	38,976	5,474	74,606	5,480	77,980	815	51,570	45,130	14,571
231	Fed Amer Soc Exper Biol	24	0	0	0	0	0	0	0	0	0	24	0
232	Amer Acad Underwater Sci	23	0	0	0	0	0	0	0	0	0	23	0
233	Metropolitan Museum Art	23	0	0	0	0	0	0	0	0	0	23	0
234	The Acadia Institute	22	0	0	0	0	0	0	0	0	0	22	0
235	Center Plant Conservation	22	4	0	0	0	0	0	0	0	0	18	0
236	Intl Idsrl Sympsm Spr Con	20	0	0	0	0	20	0	0	0	0	0	0
237	Amer Soc of Ichthyolog.	20	0	0	0	0	0	0	0	0	0	20	0
238	Alaska Federation Natives	20	0	0	0	0	0	0	0	0	0	20	0
239	Amer Sociological Assoc	20	0	0	0	0	0	0	0	0	0	20	0
240	Council Competitiveness	20	0	0	0	0	0	0	0	0	0	20	0
	Total 1st 240 institutions	322,507	1,555	6,140	38,976	5,474	74,626	5,480	77,980	815	51,570	45,320	14,571
241	Intl Assc Phys Sci Ocean	20	0	0	0	0	0	0	0	0	0	20	0
242	California Table Grape Cm	19	19	0	0	0	0	0	0	0	0	0	0
243	Chicago Women In Trades	17	0	0	0	0	0	0	0	0	0	0	17
244	Natl Assoc Neighborhoods	15	0	0	0	0	0	0	0	0	0	0	15
245	Women at Work	15	0	0	0	0	0	0	0	0	0	0	15
246	Oceanography Society	15	0	0	0	0	0	0	0	0	0	15	0
247	Natl Livestock & Meat Brd	15	15	0	0	0	0	0	0	0	0	0	0
248	Inst of Math Statistics	15	0	0	10	0	0	0	0	0	0	5	0
249	Natl Cngr Neihborhood Wmn	15	0	0	0	0	0	0	0	0	0	0	15
250	Conservation Tillage Info	13	13	0	0	0	0	0	0	0	0	0	0
	Total 1st 250 institutions	322,666	1,602	6,140	38,986	5,474	74,626	5,480	77,980	815	51,570	45,360	14,633

See explanatory material at end of table.

(Continued)

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
251	Amer Conf Gov Indstrl Hyg	13	0	0	0	0	0	0	0	0	0	13	0
252	Hist of Science Society	12	0	0	0	0	0	0	0	0	0	12	0
253	Society of Genrl Physiol	10	0	0	5	0	0	0	0	0	0	5	0
254	Council Chemical Rsch Inc	10	0	0	0	0	0	0	0	0	0	10	0
255	Natl Cncl Rsch On Women	10	0	0	0	0	0	0	0	0	0	0	10
256	Penne Kamp Coral Reef Ins	10	0	10	0	0	0	0	0	0	0	0	0
257	American Natl Standrds Ins	10	0	0	0	0	10	0	0	0	0	0	0
258	Council of St Sci Superv	10	0	0	0	0	0	0	0	0	0	10	0
259	NM Museum of Natur Hist	8	0	0	0	0	0	0	0	0	0	8	0
260	American Society Mech Eng	8	0	0	0	0	0	0	0	0	0	8	0
	Total 1st 260 institutions	322,767	1,602	6,150	38,991	5,474	74,636	5,480	77,980	815	51,570	45,426	14,643
261	Soc Advncmnt Chicanos&Nat	8	0	0	0	0	0	0	0	0	0	8	0
262	Society Complex Carbohydr	8	0	0	0	0	0	0	0	0	0	8	0
263	Natl Wool Growers Assc	8	8	0	0	0	0	0	0	0	0	0	0
264	Inst Study Learning Exper	7	0	0	0	0	0	0	0	0	0	7	0
265	Natl Ass Fam Caring Elder	7	0	0	0	0	0	0	0	0	0	0	7
266	Amer Assc Vet Immunologst	5	0	0	0	0	0	0	0	0	0	5	0
267	The Crescent Sisters Teen	5	0	0	0	0	0	0	0	0	0	0	5
268	NM Comm Status Wmn	5	0	0	0	0	0	0	0	0	0	0	5
269	The Natl Cnfc Black Mayor	5	0	0	0	0	0	0	0	0	0	0	5
270	Pacific Islands Wms Ntwrk	5	0	0	0	0	0	0	0	0	0	0	5
	Total 1st 270 institutions	322,830	1,610	6,150	38,991	5,474	74,636	5,480	77,980	815	51,570	45,454	14,670
271	The Billings YWCA	4	0	0	0	0	0	0	0	0	0	0	4
272	Natl Assc Wmn Bus Owners	4	0	0	0	0	0	0	0	0	0	0	4
273	Northeast Wms Rsrc Ctr	4	0	0	0	0	0	0	0	0	0	0	4
274	Natl Hispana Leadership	4	0	0	0	0	0	0	0	0	0	0	4
275	Comm Action Dev Program	4	0	0	0	0	0	0	0	0	0	0	4
276	Mi Casa Women's Center	3	0	0	0	0	0	0	0	0	0	0	3
277	Community Action Center	3	0	0	0	0	0	0	0	0	0	0	3
278	Bioelectromagnetics Soc	3	0	0	0	0	3	0	0	0	0	0	0
279	National Alliance of Bus	3	0	0	0	0	0	0	0	0	0	0	3
280	Wis Minority Wms Network	3	0	0	0	0	0	0	0	0	0	0	3
	Total 1st 280 institutions	322,865	1,610	6,150	38,991	5,474	74,639	5,480	77,980	815	51,570	45,454	14,702
281	Southern Growth Policies	3	0	0	0	0	0	0	0	0	0	3	0
282	The Prog Female Offenders	3	0	0	0	0	0	0	0	0	0	0	3
283	Image De Oregon	3	0	0	0	0	0	0	0	0	0	0	3
284	Grt Plains Area Vo-Tech	3	0	0	0	0	0	0	0	0	0	0	3
285	Botanical Soc of Amer	2	0	0	0	0	0	0	0	0	0	2	0
286	Coal Employment Project	2	0	0	0	0	0	0	0	0	0	0	2
287	Urban League Greater KC	2	0	0	0	0	0	0	0	0	0	0	2
288	Operation Able	2	0	0	0	0	0	0	0	0	0	0	2
289	Delta Sigma Theta Sorority	2	0	0	0	0	0	0	0	0	0	0	2
290	Bituminous Coal Res, Inc	2	0	0	0	0	0	0	0	2	0	0	0
	Total 1st 290 institutions	322,889	1,610	6,150	38,991	5,474	74,639	5,480	77,980	817	51,570	45,459	14,719
291	Children's First Child Cr	2	0	0	0	0	0	0	0	0	0	0	2
292	National Alliance of Bus	2	0	0	0	0	0	0	0	0	0	0	2
293	Womens Ctr Tarrant Cnty	2	0	0	0	0	0	0	0	0	0	0	2
294	Displaced Homemaker Ctr	2	0	0	0	0	0	0	0	0	0	0	2
295	Central KC Bus&Prof Wmn	1	0	0	0	0	0	0	0	0	0	0	1
296	Everywoman Oppty Center	1	0	0	0	0	0	0	0	0	0	0	1
297	YWCA of Metro Denver	1	0	0	0	0	0	0	0	0	0	0	1
298	Women's Rights Info Ctr	1	0	0	0	0	0	0	0	0	0	0	1
299	Asian Pac Dev Ctr Colo	1	0	0	0	0	0	0	0	0	0	0	1
300	Natl Women Veterans Cnfc	1	0	0	0	0	0	0	0	0	0	0	1
	Total 1st 300 institutions	322,903	1,610	6,150	38,991	5,474	74,639	5,480	77,980	817	51,570	45,459	14,733

See explanatory material at end of table.

(Continued)

Table B-38. -- Federal obligations to other independent nonprofit institutions for research and development and R&D plant, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

(Page 7 of 7)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
301	Dorcas Place	1	0	0	0	0	0	0	0	0	0	0	1
302	First State Older Wms Lg	1	0	0	0	0	0	0	0	0	0	0	1
303	YWCA of Metro Chicago	1	0	0	0	0	0	0	0	0	0	0	1
304	OIC	1	0	0	0	0	0	0	0	0	0	0	1
305	YWCA of Greater Milwaukee	1	0	0	0	0	0	0	0	0	0	0	1
306	Bolingbrook Disp Homemkr	1	0	0	0	0	0	0	0	0	0	0	1
307	YWCA of Cleveland, Ohio	1	0	0	0	0	0	0	0	0	0	0	1
308	Success (Wm Entrepreneur)	1	0	0	0	0	0	0	0	0	0	0	1
309	Urban League of Wichita	1	0	0	0	0	0	0	0	0	0	0	1
310	Women and Employment	1	0	0	0	0	0	0	0	0	0	0	1
	Total 1st 310 institutions	322,913	1,610	6,150	38,991	5,474	74,639	5,480	77,980	817	51,570	45,459	14,743
311	Utah Hispanic Wmns Cnfc	1	0	0	0	0	0	0	0	0	0	0	1
312	Resource Center for Women	1	0	0	0	0	0	0	0	0	0	0	1
313	Disp Homemkr Multi-Serv	1	0	0	0	0	0	0	0	0	0	0	1
314	Colorado Org Adlscnt Preg	1	0	0	0	0	0	0	0	0	0	0	1
315	Natl Assc Blk Wm Attorney	1	0	0	0	0	0	0	0	0	0	0	1
316	Girls Club of Puget Sound	1	0	0	0	0	0	0	0	0	0	0	1
317	Rock Forge Neighbrhd Hous	1	0	0	0	0	0	0	0	0	0	0	1
	Total 1st 317 institutions	322,920	1,610	6,150	38,991	5,474	74,639	5,480	77,980	817	51,570	45,459	14,750

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table B-39 -- Federal obligations to FFRDCs 1/ administered by independent nonprofit institutions for research and development and R&D plant: fiscal years 1982-89

[Dollars in thousands]

(Page 1 of 1)

State and institution	1982	1983	1984	1985	1986	1987	1988	1989	Sponsoring agency
United States total	594,241	693,466	726,085	786,172	898,385	999,108	1,016,308	1,032,467	
California:									
Aerospace Corporation	238,178	266,908	288,329	293,056	305,956	339,473	367,916	304,811	DOD/AF
Arroyo Center	-	-	-	3,200	10,900	16,100	16,700	19,600	DOD/Army
National Defense Res Inst	-	-	-	15,600	17,400	19,300	24,100	26,400	DOD/Off of the Secy
Project Air Force 2/	14,759	16,854	18,563	4,827	17,668	20,180	19,220	24,874	DOD/AF
Colorado:									
Solar Energy Research Inst	57,567	63,429	56,715	61,444	55,756	59,246	54,417	52,152	DOE
Maryland:									
Logistics Mgt Institute	4,900	4,900	6,500	8,100	12,000	12,300	13,700	17,400	DOD/Off of the Secy
New Mexico									
Inhalat Tox Research Inst	-	-	-	-	-	-	-	9,400	DOE
Virginia:									
Center for Naval Analysis 3/	-	-	22,448	23,498	24,127	36,330	37,960	34,799	DOD/Navy
Inst for Defense Analyses	24,000	27,000	29,000	44,800	60,570	71,300	77,590	83,700	DOD/Off of the Secy
C3 I Fed Contract Res Ctr 4/	169,270	206,721	233,013	252,972	325,245	341,866	336,807	375,809	DOD/AF
Washington:									
Battelle Pacific NW Lab	85,567	107,654	71,517	78,675	68,763	83,013	67,898	83,522	DOE

1/ Federally funded research and development centers.

2/ Data for Project Air Force included under Rand Corporation prior to FY 1978. Remainder of Rand Corporation currently classified as a nonprofit institution; see table B-34.

3/ Administered by Hudson Institute, a nonprofit organization, as of FY 1984. Formerly administered by the University of Rochester.

4/ Data for C3 I Fed Contract Research Center included under Mitre Corporation prior to FY 1979. Remainder of Mitre Corporation currently classified as a nonprofit institution; see table B-34.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-1. -- Federal obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 1 of 4)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Total obligations																	
1963	1,413.0	104.0	1.8	218.0	-	-	76.1	-	665.3	-	4.0	-	-	87.4	256.3	-	-
1964	1,625.0	115.0	1.7	258.1	-	-	79.9	-	780.0	-	5.3	-	-	107.6	277.5	-	-
1965	2,305.5	135.6	2.6	267.9	-	-	84.4	-	1,345.6	-	9.7	-	-	134.3	325.2	-	-
1966	3,010.0	141.0	2.8	278.0	-	-	96.9	-	1,952.2	-	22.4	-	-	142.2	374.5	-	-
1967	3,317.7	144.8	7.9	264.1	-	-	109.6	-	2,237.8	-	27.4	-	-	131.5	394.5	-	-
1968	3,386.6	144.2	9.8	243.1	54.7	-	119.7	-	2,222.2	1.7	28.2	-	6.6	129.8	422.8	-	3.8
1969	3,462.4	155.9	3.9	278.7	60.4	-	121.0	-	2,302.4	1.1	24.3	10.0	10.4	127.2	367.0	-	-
1970	3,236.6	182.1	4.9	265.5	35.6	-	114.5	-	2,060.9	.6	27.7	10.9	5.2	131.2	387.4	-	10.1
1971	3,498.6	214.6	9.7	249.0	37.5	-	105.8	27.2	2,274.6	.7	22.6	19.1	5.2	134.1	387.7	-	10.8
1972	4,144.7	238.6	26.0	243.9	30.0	-	95.3	23.3	2,842.0	1.5	24.4	18.7	7.5	119.0	458.7	-	15.9
1973	3,839.1	256.8	28.6	232.9	30.1	-	96.2	27.7	2,576.3	.9	23.8	10.7	8.3	111.4	419.6	-	15.9
1974	4,480.4	260.7	29.5	184.4	10.0	-	99.5	30.9	3,250.4	2.9	23.8	19.9	7.2	98.9	449.6	-	12.8
1975	4,547.2	290.7	26.4	190.5	-	-	124.3	38.8	3,207.9	2.3	28.8	12.4	5.5	108.0	490.5	.1	20.8
1976	5,402.8	328.6	39.1	211.9	-	-	144.1	33.0	3,964.3	1.4	28.2	13.5	4.5	118.9	496.3	3.3	15.7
1977	6,489.7	346.7	32.5	267.3	-	-	211.8	46.3	4,817.0	4.3	29.5	24.4	7.2	121.0	565.8	4.7	11.4
1978	7,471.8	394.8	35.9	452.3	-	-	269.7	55.8	5,403.8	10.5	44.0	28.1	12.6	130.5	607.1	8.8	17.8
1979 4/	7,603.9	427.0	47.3	528.7	-	-	274.9	68.1	3,935.0	4.0	40.1	28.5	13.7	143.9	671.6	6.9	11.4
1980	8,298.8	448.4	52.2	555.9	-	2,832.1	312.2	83.4	2,985.8	4.3	45.8	38.6	16.2	171.2	726.4	7.0	19.4
1981 4/	8,640.9	495.6	51.8	748.2	-	2,269.8	315.7	70.6	2,749.8	3.0	38.7	31.3	15.1	183.5	695.1	7.4	29.0
1982 4/	8,777.0	532.1	40.6	873.1	-	3,242.7	295.3	85.4	2,624.9	2.6	28.5	50.4	10.5	176.9	728.1	5.2	12.0
1983 4/	9,344.6	570.0	51.0	954.4	-	1,726.0	328.1	51.2	2,809.7	1.5	35.8	43.4	9.5	203.8	798.8	4.8	28.4
1984	10,039.5	611.6	106.0	965.7	-	3,517.1	354.6	52.9	3,148.4	.4	45.8	56.3	7.1	216.6	935.6	4.9	16.6
1985	10,971.6	656.8	81.4	1,067.1	-	3,518.7	454.7	66.1	3,672.1	.4	44.4	57.0	6.8	251.0	1,078.7	5.4	11.2
1986	11,619.2	624.2	70.3	1,214.0	-	3,996.5	420.6	70.8	3,773.6	.3	50.8	44.3	6.5	270.3	1,055.8	3.8	17.3
1987	13,433.5	678.4	93.5	1,297.9	-	4,850.8	475.1	74.3	4,453.0	.5	46.2	53.3	11.1	309.8	1,069.5	3.9	16.0
1988	14,066.0	746.8	87.3	1,385.8	-	4,866.2	537.6	66.2	4,770.6	.1	52.6	48.5	10.9	363.7	1,102.1	3.6	24.2
1989	15,657.6	728.6	81.4	1,487.7	-	5,534.0	565.5	85.8	5,204.6	**	67.8	65.3	9.2	461.9	1,336.2	4.3	25.2
Total academic science/ engineering																	
1963	1,328.5	104.0	1.8	218.0	-	-	76.1	-	581.0	-	3.8	-	-	87.4	256.3	-	-
1964	1,528.6	115.0	1.7	258.1	-	-	79.9	-	683.8	-	5.1	-	-	107.6	277.5	-	-
1965	1,816.2	135.6	2.6	267.9	-	-	84.4	-	856.5	-	9.6	-	-	134.3	325.2	-	-
1966	2,163.5	141.0	2.8	278.0	-	-	96.9	-	1,109.2	-	19.1	-	-	142.2	374.5	-	-
1967	2,323.8	144.8	4.4	264.1	-	-	109.6	-	1,251.0	-	23.9	-	-	131.5	394.5	-	-
1968	2,349.8	144.2	8.0	243.1	12.5	-	119.7	-	1,229.4	1.7	28.2	-	6.6	129.8	422.8	-	3.7
1969	2,361.4	155.9	2.2	278.7	9.3	-	121.0	-	1,261.8	1.1	24.3	3.9	9.1	127.2	367.0	-	-
1970	2,187.6	182.1	3.9	265.5	18.9	-	114.5	-	1,036.7	.5	27.7	5.5	3.5	131.2	387.4	-	10.1
1971	2,343.1	214.6	7.6	249.0	16.4	-	105.8	27.2	1,142.3	.7	22.6	19.1	5.2	134.1	387.7	-	10.8
1972	2,599.1	238.6	26.0	243.9	8.3	-	95.3	23.3	1,318.5	1.5	24.3	18.7	7.3	119.0	458.7	-	15.9
1973	2,464.4	256.8	28.4	232.9	8.7	-	96.2	27.7	1,225.0	.9	23.7	10.7	6.3	111.4	419.6	-	15.9
1974	2,737.0	260.7	29.4	184.4	4.1	-	99.5	30.9	1,515.4	.6	23.8	19.9	7.1	98.9	449.6	-	12.8
1975	2,805.8	290.7	25.8	190.5	-	-	124.3	38.8	1,467.3	2.3	28.8	12.4	5.5	108.0	490.5	**	20.8
1976	2,959.7	328.6	38.2	211.9	-	-	144.1	33.0	1,522.2	1.4	28.2	13.5	4.5	118.9	496.3	3.2	15.7
1977	3,351.3	343.2	32.5	267.3	-	-	208.1	46.3	1,686.5	4.3	29.5	24.4	7.2	121.0	565.8	4.5	10.9
1978	3,959.8	391.7	35.9	452.3	-	-	267.2	54.7	1,900.8	10.5	42.5	28.1	12.6	130.5	607.1	8.4	17.5
1979	4,472.7	422.5	47.3	528.7	-	-	273.9	66.7	2,216.0	4.0	40.1	28.5	11.1	143.9	671.6	6.9	11.4
1980	4,791.0	444.1	51.6	555.9	-	48.0	309.6	81.5	2,281.1	4.3	42.4	38.6	10.3	171.2	726.4	7.0	19.1
1981	5,062.9	491.4	51.8	726.0	-	56.1	310.4	67.5	2,363.6	3.0	34.2	31.3	12.9	183.5	695.1	7.4	28.5
1982	5,179.6	529.7	40.6	857.3	-	35.6	286.2	83.8	2,332.8	2.6	28.3	50.4	8.4	176.9	728.1	5.0	12.0
1983	5,680.6	566.0	51.0	940.2	-	34.9	320.0	50.3	2,602.2	1.5	32.0	43.4	6.4	203.8	798.8	4.7	25.4
1984	6,308.0	607.4	105.8	954.6	-	43.6	348.4	51.9	2,934.1	.2	32.2	56.3	3.1	216.6	935.6	4.6	13.6
1985	7,257.9	652.8	81.2	1,061.1	-	69.6	451.7	65.2	3,440.0	.2	33.1	57.0	3.4	251.0	1,078.7	5.4	7.6
1986	7,430.9	620.7	70.3	1,206.2	-	74.0	420.5	70.8	3,536.0	.1	40.9	44.3	3.7	270.3	1,055.8	3.8	13.6
1987	8,565.4	674.7	88.8	1,278.5	-	280.8	475.1	74.3	4,195.3	.1	39.4	53.3	8.3	309.8	1,069.5	3.9	13.4
1988	9,133.5	741.7	81.4	1,377.4	-	255.6	536.2	66.2	4,486.2	.1	41.6	48.5	8.0	363.7	1,102.1	3.6	21.4
1989	10,073.1	721.7	74.0	1,486.4	-	275.4	561.1	85.8	4,916.3	.0	56.2	65.3	6.5	461.9	1,336.2	4.3	22.1
Research and development																	
1963	829.5	40.6	1.5	218.0	-	-	68.3	-	332.9	-	3.8	-	-	59.8	104.6	-	-
1964	975.6	47.5	1.1	258.1	-	-	70.5	-	399.2	-	5.0	-	-	78.2	115.8	-	-
1965	1,095.0	59.1	2.1	267.9	-	-	74.8	-	441.9	-	9.5	-	-	100.6	139.2	-	-
1966	1,252.1	62.9	2.1	278.0	-	-	83.2	-	507.3	-	18.7	-	-	107.4	192.5	-	-
1967	1,301.2	64.0	3.4	264.1	-	-	89.7	-	577.0	-	23.9	-	-	109.0	170.2	-	-
1968	1,398.3	62.2	6.7	243.1	12.5	-	101.8	-	619.1	1.0	27.8	-	6.6	126.1	187.7	-	3.7
1969	1,474.7	63.6	1.7	278.7	9.3	-	103.1	-	667.1	1.0	23.5	3.9	9.1	122.3	191.5	-	-
1970	1,446.6	67.4	3.2	265.5	18.9	-	101.4	-	614.9	.5	27.1	5.5	3.5	127.4	201.2	-	10.1
1971	1,551.4	74.8	6.9	249.0	16.4	-	95.9	17.0	695.7	.7	21.3	17.1	3.3	128.5	216.9	-	8.0
1972	1,853.1	88.6	23.6	243.9	8.3	-	86.8	17.7	879.4	1.5	23.0	13.5	7.3	112.4	334.7	-	12.4
1973	1,870.7	93.8	24.9	232.9	8.7	-	85.2	18.6	903.8	.9	22.2	8.4	5.0	102.6	348.5	-	15.2
1974	2,085.2	96.7	26.6	184.4	3.4	-	94.6	24.1	1,129.0	.6	22.2	18.4	5.6	92.0	376.1	-	11.5
1975	2,246.1	110.5	22.2	190.5	-	-	119.2	33.8	1,205.2	2.3	27.2	8.3	4.0	100.2	404.6	.0	18.1
1976	2,431.0	124.2	29.0	211.9	-	-	138.1	29.3	1,296.2	1.4	25.7	10.7	3.0	106.8	436.6	3.2	14.9

See explanatory material at end of table.

(Continued)

Table C-1. -- Federal obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 2 of 4)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Research and development																	
1977	2,803.0	142.2	32.2	267.3	-	-	187.2	45.0	1,452.1	4.3	27.4	20.2	7.2	113.7	491.0	3.8	9.6
1978	3,385.8	175.3	35.0	452.3	-	-	251.1	51.1	1,657.6	10.5	34.3	24.9	12.6	124.7	531.5	8.4	16.4
1979	3,873.5	193.8	45.9	528.7	-	-	256.4	60.9	1,966.5	4.0	35.3	28.0	11.1	137.2	587.8	6.5	11.4
1980	4,160.5	211.8	50.4	555.9	-	48.0	279.6	76.9	2,025.6	4.3	38.8	38.6	10.3	161.3	633.9	6.1	19.1
1981	4,410.9	241.4	51.1	700.5	-	56.1	281.8	64.2	2,112.8	3.0	30.2	31.3	12.9	173.9	616.8	7.0	27.8
1982	4,554.5	256.5	39.7	813.7	-	35.6	265.2	78.1	2,110.6	.5	21.5	50.4	8.4	167.7	689.8	5.0	11.7
1983	5,024.3	273.9	50.1	913.3	-	34.9	296.6	45.3	2,360.3	1.1	20.8	43.4	6.4	189.4	759.1	4.7	25.1
1984	5,448.8	273.0	75.6	827.8	-	43.6	317.1	47.3	2,681.4	.2	32.2	56.3	3.1	203.8	869.6	4.6	13.2
1985	6,246.2	300.4	79.7	908.9	-	69.6	373.1	61.9	3,098.6	.2	32.9	57.0	3.4	237.3	1,011.1	4.9	7.2
1986	6,456.7	290.1	68.3	1,055.0	-	72.2	346.9	67.9	3,212.1	.1	40.9	44.3	3.7	254.0	983.9	3.8	13.3
1987	7,241.0	296.0	87.6	1,098.9	-	85.2	371.6	67.1	3,835.3	.1	39.4	53.3	8.3	293.6	987.5	3.9	13.2
1988	7,719.2	321.3	75.8	1,194.2	-	69.6	407.6	64.1	4,128.3	.1	39.1	48.5	8.0	339.5	998.3	3.6	21.3
1989	8,516.8	336.0	66.0	1,220.6	-	67.0	444.5	77.5	4,512.0	.0	52.8	65.3	6.5	435.7	1,206.6	4.3	21.9
R&D plant 2/																	
1963	105.9	0.0	0.0	0.0	-	-	2.6	-	39.2	-	0.1	-	-	13.4	50.6	-	-
1964	100.8	.0	.0	.0	-	-	4.0	-	39.9	-	.0	-	-	9.1	47.8	-	-
1965	126.2	3.2	.0	.0	-	-	3.8	-	54.8	-	**	-	-	8.4	56.0	-	-
1966	114.8	2.0	.0	.0	-	-	7.4	-	48.5	-	.2	-	-	7.4	49.3	-	-
1967	111.3	2.0	.3	.0	-	-	13.8	-	38.1	-	.0	-	-	5.0	52.1	-	-
1968	96.1	1.9	.2	.0	.0	-	11.9	-	36.9	.0	.0	-	.0	.0	45.3	-	.0
1969	54.5	1.2	.0	.0	.0	-	11.4	-	20.5	.0	**	.0	.0	.0	21.4	-	-
1970	44.8	1.1	**	.0	.0	-	7.1	-	20.0	.0	.0	.0	.0	.0	16.5	-	.0
1971	29.9	.0	.0	.0	.0	-	4.8	.0	15.2	.0	.0	.0	.0	.2	9.7	-	.0
1972	36.9	.0	.0	.0	.0	-	4.1	.0	22.2	.0	.0	.0	.0	.6	10.0	-	.0
1973	43.3	.0	.3	.0	.0	-	5.6	.0	26.7	.0	.2	.0	.0	3.0	7.4	-	.0
1974	29.0	.0	.0	.0	.0	-	4.2	.0	14.5	.0	.0	.0	.0	.1	10.2	-	.0
1975	44.8	.0	.0	.0	-	-	4.2	.0	22.9	.0	.0	.0	.0	.1	17.6	.0	.0
1976	23.9	.0	1.0	.0	-	-	5.6	.0	11.4	.0	.0	.0	.0	.1	5.9	.0	.0
1977	36.5	.0	.0	.0	-	-	17.5	.0	11.1	.0	.0	.0	.0	**	7.3	.0	.5
1978	34.3	.0	.0	.0	-	-	13.4	**	9.9	.0	.0	.0	.0	.0	11.0	.0	**
1979	32.1	.0	.0	.0	-	-	9.1	.0	7.5	.0	.0	.5	.0	.2	14.7	.0	.0
1980	37.8	.0	.0	.0	-	.0	20.6	.0	4.4	.0	.0	.0	.0	.2	12.6	.0	.0
1981	27.7	.0	.0	1.1	-	.0	19.6	.0	2.0	.0	.0	.0	.0	.1	4.9	.0	.0
1982	31.2	.0	.0	.5	-	.0	18.8	1.4	5.4	.0	.0	.0	.0	.2	4.9	.0	.0
1983	37.5	9.6	.0	.0	-	.0	17.2	.1	1.5	.0	.0	.0	.0	1.5	7.7	.0	.0
1984	49.8	9.6	.0	.0	-	.0	29.5	.1	.7	.0	.0	.0	.0	.3	9.7	.0	.0
1985	113.9	9.6	.0	**	-	.0	77.7	.1	11.4	.0	.0	.0	.0	.2	14.9	.0	.0
1986	105.8	9.1	1.2	.0	-	1.8	73.0	.0	4.2	.0	.0	.0	.0	.4	16.0	.0	.0
1987	229.9	65.4	.1	.0	-	49.2	102.9	.0	4.2	.0	.0	.0	.0	.6	7.4	.0	.0
1988	202.9	68.0	.0	.0	-	1.3	127.7	.0	.0	.0	.0	.0	.0	.6	5.4	.0	.0
1989	237.0	31.1	1.2	57.9	-	1.3	115.5	.0	22.0	.0	.0	.0	.0	1.2	6.7	.0	.0
Facilities for instruction																	
1971 5/...	28.7	-	.0	-	.0	-	2.3	.0	13.9	-	.1	-	.0	.0	12.1	-	.0
1972	26.3	.5	.0	.0	.0	-	1.9	.0	20.9	.0	.0	.0	.0	.0	3.0	-	.0
1973	13.4	.0	.0	.0	.0	-	2.3	.0	9.4	.0	.1	.0	.0	.0	1.6	-	.0
1974	3.5	.0	.0	.0	.0	-	.0	.0	.4	.0	**	.0	.0	.0	3.1	-	.0
1975	5.0	.0	.1	.0	-	-	.0	.0	4.9	.0	.0	.0	.0	.0	**	.0	.0
1976	3.2	.0	.3	.0	-	-	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0
1977	3.3	.0	.0	.0	-	-	.4	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0
1978	4.9	.0	.0	.0	-	-	1.3	.0	.0	.0	**	.0	.0	.0	3.5	.0	.0
1979	6.7	.0	.0	.0	-	-	3.5	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1980	3.8	.0	.0	.0	-	.0	.9	.1	.0	.0	.0	.0	.0	.0	2.8	.0	.0
1981	4.6	.0	.0	.2	-	.0	1.1	**	.0	.0	.0	.0	.0	.0	3.2	.0	.0
1982	.8	.0	.0	**	-	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1983	2.5	.0	.0	**	-	.0	2.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1984	1.9	.0	1.6	.3	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1985	4.9	.0	.0	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.1	.0
1986	5.0	.0	.0	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0
1987	13.7	.0	.0	.0	-	5.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0
1988	13.4	.0	2.5	.0	-	.0	.0	.0	.0	.0	.4	.0	.0	.0	10.5	.0	.0
1989	16.9	.0	1.6	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.3	.0	.0

See explanatory material at end of table.

(Continued)

Table C-1. -- Federal obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 3 of 4)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Fellowships, traineeships, & trng grnts																	
1966 5/...	365.6	-	.0	-	-	-	3.2	-	289.9	-	.0	-	-	25.0	47.5	-	-
1967	447.2	-	.0	-	-	-	3.7	-	379.2	-	.0	-	-	15.0	49.4	-	-
1968	440.9	-	.0	-	.0	-	3.6	-	387.0	-	.0	-	.0	.9	49.4	-	.0
1969	436.3	-	.0	-	.0	-	5.5	-	375.7	-	.0	-	.0	1.3	53.8	-	-
1970	429.4	-	.0	-	.0	-	5.0	-	369.6	-	.0	-	.0	2.1	52.7	-	.0
1971	421.0	.0	**	.0	.0	-	2.6	10.1	361.4	.0	**	.0	.6	1.0	42.3	-	2.8
1972	387.9	.0	.4	.0	.0	-	2.0	5.6	346.6	.0	.0	.0	.0	1.1	28.8	-	3.5
1973	287.2	.0	.6	.0	.0	-	2.3	9.2	256.8	.0	.0	.0	.0	1.3	16.4	-	.7
1974	326.6	.0	**	.0	.7	-	.5	6.8	301.5	.0	.0	.0	.0	1.2	14.4	-	1.3
1975	201.3	.0	**	.0	-	-	.7	5.0	181.7	.0	.0	.0	.0	1.3	9.7	.0	2.7
1976	174.9	.0	.0	.0	-	-	.1	3.6	155.6	.0	.0	.0	.0	1.3	13.4	**	.8
1977	184.7	.0	.0	.0	-	-	.2	1.3	165.9	.0	.0	.0	.0	1.4	14.8	.1	.8
1978	205.9	.0	.0	.0	-	-	.7	3.6	184.2	.0	3.2	.6	.0	1.3	11.7	**	.6
1979	204.9	.0	.0	.0	-	-	1.9	4.5	182.3	.0	.3	.0	.0	1.8	14.1	.0	.0
1980	210.1	.0	.0	.0	-	.0	.0	4.5	187.6	.0	1.4	.0	.0	2.8	13.8	.0	.0
1981	205.4	.0	.0	.0	-	.0	.0	2.4	183.5	.0	.9	.0	.0	3.7	14.8	.1	.0
1982	176.6	.0	.0	.0	-	.0	.3	2.5	151.9	.0	.0	.0	.0	4.2	17.5	.0	.4
1983	189.6	.2	.2	.7	-	.0	.2	2.6	164.0	.0	.0	.0	.0	5.2	16.2	.0	.3
1984	194.9	.2	.1	.0	-	.0	.6	1.8	164.6	.0	.0	.0	.0	5.3	21.8	.0	.4
1985	253.1	7.0	.1	.8	-	.0	.4	2.1	210.9	.0	.0	.0	.0	5.6	25.8	.0	.4
1986	246.2	4.7	.0	.5	-	.0	.6	2.8	204.3	.0	.0	.0	.0	7.9	25.2	.0	.2
1987	290.9	4.7	.6	2.3	-	11.8	.6	1.8	232.5	.0	.0	.0	.0	8.7	27.7	.0	.2
1988	309.3	4.6	2.6	1.5	-	13.5	0.7	2.0	239.3	0.0	0.0	0.0	**	15.8	29.2	0.0	0.0
1989	341.0	4.6	1.2	.1	-	23.4	.9	8.3	256.2	.0	.0	.0	**	13.0	33.0	.0	.2
General support for science/ engineering																	
1971 5/...	99.7	0.0	0.2	0.0	0.0	-	0.0	0.0	40.2	0.0	1.1	0.0	1.2	0.0	56.9	-	0.0
1972	83.3	.0	1.5	.0	.0	-	.0	.0	40.7	.0	1.2	5.2	.0	.0	34.7	-	.0
1973	39.0	.0	.0	.0	.0	-	.0	.0	20.2	.0	1.3	2.3	.9	.0	14.2	-	.0
1974	87.0	.0	.5	.0	.0	-	.0	.0	64.2	.0	1.6	1.5	1.4	.0	17.8	-	.0
1975	46.4	.0	1.8	.0	-	-	.0	.0	37.3	.0	1.6	4.2	1.5	.0	.0	.0	.0
1976	74.5	.0	4.4	.0	-	-	.0	.0	41.8	.0	2.4	2.8	1.5	.0	21.6	.0	.0
1977	75.9	.0	.0	.0	-	-	2.5	.0	42.0	.0	1.8	4.1	.0	.0	24.8	.7	.0
1978	74.4	.0	.0	.0	-	-	.3	.0	45.0	.0	5.0	.0	.0	.0	23.8	.0	.3
1979	92.5	4.7	.0	.0	-	-	**	1.3	52.8	.0	4.4	.0	.0	.0	29.4	.0	.0
1980	91.5	.0	.0	.0	-	0.0	5.6	.0	60.1	.0	2.3	.0	.0	.0	23.2	.4	.0
1981	92.7	.0	.0	7.1	-	.0	.0	.9	60.0	.0	3.1	.0	.0	.0	21.0	.0	.7
1982	80.1	.0	.0	4.8	-	.0	**	1.7	61.3	2.0	6.8	.0	.0	.0	3.5	.0	.0
1983	94.8	.0	.0	3.2	-	**	3.7	1.6	73.6	.4	11.2	.0	.0	.0	1.2	.0	.0
1984	112.6	.0	20.3	3.7	-	.0	.6	2.7	83.9	.0	.0	.0	.0	.0	1.5	.0	.0
1985	119.2	.0	**	1.8	-	.0	.4	1.1	112.5	.0	.3	.0	.0	.0	3.0	.0	.0
1986	111.1	.0	**	2.1	-	.0	.0	.0	106.1	.0	.0	.0	.0	.0	2.8	.0	.0
1987	236.9	.0	.0	5.9	-	108.1	.0	4.3	113.1	.0	.0	.0	.0	.0	5.5	.0	.0
1988	171.8	.0	.0	2.5	-	54.8	.2	.0	109.0	.0	2.1	.0	.0	.0	3.4	.0	.0
1989	200.6	.0	.0	1.8	-	83.1	.0	.0	109.5	.0	3.3	.0	.0	.0	2.9	.0	.0
Other science/ engineering activities																	
1963	393.1	63.4	.3	.0	-	-	5.3	-	208.9	-	**	-	-	14.1	101.1	-	-
1964	452.2	67.5	.6	.0	-	-	5.4	-	244.6	-	**	-	-	20.2	113.9	-	-
1965	595.0	73.3	.6	.0	-	-	5.9	-	359.8	-	**	-	-	25.4	130.1	-	-
1966	431.0	76.1	.7	.0	-	-	3.1	-	263.4	-	.2	-	-	2.3	85.2	-	-
1967	464.0	78.8	.7	.0	-	-	2.5	-	256.7	-	**	-	-	2.4	122.8	-	-
1968	414.5	80.1	1.0	.0	.0	-	2.5	-	186.4	.7	.4	-	.0	2.8	140.5	-	**
1969	395.9	91.1	.5	**	.0	-	1.0	-	198.4	.1	.9	.0	.0	3.7	100.2	-	-
1970	266.8	113.5	.7	**	.0	-	1.0	-	32.2	.0	.6	.0	.0	1.7	117.0	-	.0
1971	212.4	139.5	.5	.0	.0	-	.3	.0	15.9	.0	.0	2.0	.1	4.2	49.9	-	.0
1972	211.6	149.5	.6	.0	.0	-	.5	.0	8.6	.0	.0	.0	.0	4.9	47.5	-	.0
1973	210.8	163.0	2.7	.0	.0	-	.8	.0	8.0	.0	.0	.0	.4	4.5	31.4	-	.0
1974	205.7	164.0	2.2	.0	.0	-	.2	.0	5.7	.0	.0	.0	.0	5.7	27.9	-	.0
1975	262.3	180.2	1.7	.0	-	-	.1	.0	15.3	.0	.0	.0	**	6.4	58.6	**	.0
1976	252.2	204.4	3.6	.0	-	-	.3	.0	17.1	.0	.1	.0	.0	10.7	16.0	.0	.0
1977	248.0	201.0	.3	.0	-	-	.3	.0	15.4	.0	.3	.0	.0	5.9	24.9	.0	.0
1978	254.5	216.4	.9	.0	-	-	.3	.0	4.1	.0	.0	2.6	.0	4.4	25.6	.0	.2
1979	263.0	224.0	1.5	.0	-	-	3.0	.1	6.9	.0	.0	.0	.0	4.7	22.4	.4	.0
1980	287.2	232.3	1.2	.0	-	.0	2.8	.0	3.4	.0	.0	.0	.0	6.9	40.2	.5	.0
1981	321.5	250.0	.7	17.1	-	.0	7.9	**	5.3	.0	**	.0	.0	5.7	34.4	.4	**
1982	336.4	273.2	.8	38.2	-	.0	3.1	.2	3.6	**	.0	.0	.0	4.8	12.4	.0	.0
1983	331.8	282.3	.6	22.9	-	.0	**	.5	2.8	.1	**	.0	.0	7.8	14.8	.0	.0
1984	500.1	324.7	8.2	122.8	-	.0	.7	**	3.5	.0	.0	.0	**	7.1	33.0	.0	.0
1985	520.5	335.7	1.4	149.5	-	.0	.1	.0	6.5	.0	.0	.0	**	7.9	19.0	.3	**
1986	506.0	316.8	.8	148.5	-	.0	**	.0	9.1	.0	.0	.0	.0	7.9	22.9	.0	**
1987	553.0	308.6	.6	171.4	-	21.4	.0	1.1	10.3	.0	.0	.0	.0	6.9	32.7	.0	.0
1988	716.8	347.9	.5	179.3	-	116.4	.0	.0	9.6	.0	.0	.0	.0	7.8	55.3	.0	.1
1989	760.8	349.9	3.8	206.1	-	100.5	.1	.0	16.5	.0	.0	.0	.0	12.0	71.8	.0	.0

See explanatory material at end of table.

(Continued)

Table C-1. -- Federal obligations to universities and colleges by type of activity and agency: fiscal years 1963-89 1/

[Dollars in millions]

(Page 4 of 4)

Activity & year	Total	USDA	Com	DOD 2/	OEO	Ed 2/	DOE 3/	EPA	HHS	HUD	Int	AID	Labor	NASA	NSF	NRC	DOT
Non-science/ engineering activities																	
1963	84.5	.0	.0	.0	-	-	.0	-	84.3	-	.2	-	-	.0	.0	-	-
1964	96.4	.0	.0	.0	-	-	.0	-	96.2	-	.2	-	-	.0	.0	-	-
1965	489.3	**	.0	.0	-	-	.0	-	489.1	-	.1	-	-	.0	.0	-	-
1966	846.4	**	.0	.0	-	-	.0	-	843.1	-	3.4	-	-	.0	.0	-	-
1967	993.9	**	3.5	.0	-	-	.0	-	986.8	-	3.5	-	-	.0	.0	-	-
1968	1,036.8	.0	1.8	.0	42.2	-	.0	-	992.8	.0	.0	-	.0	.0	.0	-	.1
1969	1,101.0	.0	1.8	**	51.1	-	.0	-	1,040.6	**	.0	6.1	1.3	.0	.0	-	-
1970	1,049.0	.0	1.0	**	16.7	-	.0	-	1,024.2	**	.0	5.4	1.7	.0	.0	-	.0
1971	1,155.5	.0	2.0	.0	21.1	-	.0	.0	1,132.3	.0	**	.0	.0	.0	.0	-	.0
1972	1,545.6	.0	.0	.0	21.7	-	.0	.0	1,523.5	.0	.1	.0	.2	.0	.0	-	.0
1973	1,374.7	.0	.1	.0	21.3	-	**	.0	1,351.2	.0	.1	.0	2.0	.0	.0	-	.0
1974	1,743.4	.0	.1	.0	5.9	-	.0	.0	1,735.0	2.2	.0	.0	.1	.0	.0	-	.0
1975	1,741.4	.0	.7	.0	-	-	.0	.0	1,740.6	.0	**	.0	.0	.0	.0	.1	.0
1976	2,443.1	.0	.9	.0	-	-	.0	.0	2,442.1	.0	.1	.0	.0	.0	.0	**	.0
1977	3,138.4	3.5	.0	.0	-	-	3.7	.0	3,130.5	.0	.0	.0	.0	.0	.0	.2	.5
1978	3,512.0	3.2	.0	.0	-	-	2.5	1.1	3,503.1	.0	1.5	.0	.0	.0	.0	.4	.2
1979 4/...	3,131.2	4.5	.0	.0	-	-	1.0	1.4	1,719.1	.0	.0	.0	2.6	.0	.0	**	.0
1980	3,507.8	4.3	.6	.0	-	2,784.0	2.7	1.9	704.7	.0	3.3	.0	5.9	.0	.0	**	.3
1981 4/...	3,578.1	4.2	.0	32.2	-	2,213.8	5.3	3.1	386.2	.0	4.5	.0	2.2	.0	.0	**	.5
1982 4/...	3,597.4	2.4	.0	15.8	-	3,207.1	7.1	1.6	292.1	.0	.2	.0	2.1	.0	.0	.2	.0
1983 4/...	3,664.0	4.0	0.0	14.2	-	1,691.1	8.1	0.9	207.5	0.0	3.9	0.0	3.1	0.0	0.0	0.1	3.0
1984	3,731.5	4.2	.2	11.1	-	3,473.4	6.2	1.0	214.3	.2	13.5	.0	3.9	.0	.0	.3	3.0
1985	3,713.7	4.0	.2	6.0	-	3,449.1	3.0	.9	232.1	.2	11.3	.0	3.4	.0	.0	.0	3.6
1986	4,180.4	3.5	.0	7.8	-	3,922.5	**	.0	237.7	.2	10.0	.0	2.8	.0	.0	.0	3.8
1987	4,868.0	3.7	4.7	19.4	-	4,570.0	**	.0	257.7	.3	6.8	.0	2.9	.0	.0	.0	2.6
1988	4,932.6	5.1	6.0	8.4	-	4,610.6	1.4	.0	284.4	.0	11.1	.0	2.9	.0	.0	.0	2.8
1989	5,584.5	6.9	7.4	1.3	4.0	5,258.6	4.4	.0	288.4	**	11.6	.0	2.7	.0	.0	.0	3.1

- Indicates not available.

** Indicates amount less than $50,000.

1/ See footnote 1 at end of Table B-1.

2/ See Technical Notes, scope of survey.

3/ Data shown for fiscal years 1963-74 and fiscal years 1975-77 represent obligations of the Atomic Energy Commission and the Energy Research & Development Administration, respectively.

4/ The total figures for "total" obligations and "non-science/engineering" obligations were estimated on the basis of revised data from the Department of Education. The data reported under the Department of Education columns for "total" and "non-science/engineering" obligations, however, were not revised because new detail was not available for individual institutions.

5/ Data previous to this year are not separately identified but are included under "other science/engineering activities".

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-2. -- Federal obligations to universities and colleges by geographic division and State: fiscal years 1982-89

[Dollars in thousands]

Geographic division and State	1982 1/	1983 1/	1984	1985	1986	1987	1988	1989
United States, total	8,776,978	9,344,618	10,039,468	10,971,593	11,619,243	13,433,460	14,066,032	15,657,609
New England, total	867,380	766,441	966,950	1,056,037	1,088,619	1,174,983	1,206,431	1,328,500
Connecticut	158,321	143,239	181,372	206,377	197,087	231,719	231,478	248,533
Maine	31,947	17,369	37,740	35,021	37,829	42,533	38,712	45,750
Massachusetts	549,992	505,988	603,339	665,491	691,989	724,731	742,505	839,682
New Hampshire	37,575	27,660	36,771	41,580	44,557	55,356	53,292	55,679
Rhode Island	62,682	45,342	62,053	66,828	73,428	72,131	77,967	78,324
Vermont	26,863	26,843	45,675	40,740	43,729	48,513	62,477	60,532
Middle Atlantic, total	1,407,329	1,225,240	1,604,269	1,740,096	1,814,007	2,129,924	2,314,463	2,451,954
New Jersey	136,756	102,200	153,243	162,619	171,673	187,917	204,581	224,745
New York	832,472	746,615	963,879	1,027,688	1,055,110	1,297,802	1,367,822	1,447,386
Pennsylvania	438,101	376,425	487,147	549,789	587,224	644,205	742,060	779,823
East North Central, total	1,221,676	1,059,208	1,425,449	1,567,179	1,646,293	1,912,178	1,911,336	2,197,424
Illinois	339,071	303,009	389,210	451,905	464,929	565,116	541,870	604,137
Indiana	142,935	131,860	191,087	205,299	208,978	216,780	219,807	256,735
Michigan	288,467	224,945	306,049	310,407	329,715	408,922	433,177	503,019
Ohio	274,777	227,119	310,416	343,214	372,105	410,374	412,776	471,779
Wisconsin	176,426	172,275	228,687	256,354	270,566	310,986	303,706	361,754
West North Central, total	574,422	462,097	695,600	756,245	809,974	951,538	969,928	1,104,823
Iowa	105,690	88,429	126,339	137,393	151,369	187,190	196,382	220,887
Kansas	84,551	47,235	75,766	91,090	87,016	115,017	113,502	128,654
Minnesota	148,297	117,829	176,973	194,911	215,114	237,634	240,476	290,277
Missouri	156,176	132,339	185,121	194,242	209,222	244,417	254,409	284,354
Nebraska	45,778	31,096	59,508	63,329	65,148	78,139	74,875	80,646
North Dakota	25,609	22,866	39,129	39,577	42,262	44,556	54,401	56,232
South Dakota	28,321	22,303	32,764	35,703	39,843	44,585	35,883	43,773
South Atlantic, total	1,636,752	1,437,794	1,853,000	1,991,994	2,096,439	2,422,721	2,602,742	2,827,600
Delaware	15,908	17,272	22,787	22,676	21,826	23,802	27,618	30,081
District of Columbia	301,794	265,836	298,112	306,263	292,741	307,618	307,405	309,452
Florida	199,675	152,503	207,064	215,260	238,537	311,472	358,838	396,804
Georgia	171,396	154,530	199,748	215,384	243,431	276,159	304,772	316,845
Maryland	434,940	424,407	523,864	573,326	602,952	691,090	761,456	804,615
North Carolina	245,738	216,673	293,593	312,939	330,537	395,400	412,890	473,274
South Carolina	79,512	52,464	88,714	102,681	107,436	137,818	126,927	136,683
Virginia	151,884	130,223	171,182	196,052	205,191	221,963	233,223	281,204
West Virginia	35,905	23,886	47,936	47,413	53,788	57,399	69,613	78,642
East South Central, total	461,240	383,272	534,940	578,076	637,408	739,605	755,924	817,196
Alabama	139,266	123,405	177,720	187,290	221,934	251,515	249,118	262,716
Kentucky	81,119	62,301	99,680	111,787	115,801	119,942	124,882	143,265
Mississippi	88,476	55,963	86,582	90,461	99,653	144,632	146,500	157,578
Tennessee	152,379	141,603	170,958	188,538	200,020	223,516	235,424	253,637
West South Central, total	632,093	520,722	728,834	804,209	862,889	1,028,310	1,131,628	1,302,923
Arkansas	52,068	38,698	58,480	62,892	66,562	74,954	84,001	97,141
Louisiana	101,559	76,876	124,840	138,287	151,017	172,732	199,174	254,787
Oklahoma	69,103	52,728	79,334	91,892	98,231	117,163	127,973	144,376
Texas	409,363	352,420	466,180	511,138	547,079	663,461	720,480	806,619
Mountain, total	459,551	407,875	544,124	583,843	615,353	725,130	783,767	895,916
Arizona	87,126	78,286	100,477	113,011	113,918	153,147	163,702	186,363
Colorado	123,891	114,901	154,088	167,710	171,849	205,268	230,491	248,105
Idaho	17,723	12,796	31,163	22,884	23,242	31,917	39,011	49,910
Montana	22,329	18,905	23,397	25,361	28,611	37,488	34,262	40,921
Nevada	13,633	12,204	14,907	18,284	19,692	25,893	20,986	25,308
New Mexico	97,917	78,598	102,783	101,449	120,338	109,082	110,641	126,652
Utah	84,399	77,719	97,097	112,771	124,664	142,526	163,120	194,328
Wyoming	12,533	14,466	20,212	22,373	13,039	19,809	21,554	24,329
Pacific, total	1,301,494	1,189,808	1,484,992	1,659,769	1,774,161	2,050,783	2,138,490	2,469,138
Alaska	16,553	11,917	18,093	18,500	24,498	22,524	23,955	24,845
California	925,809	882,330	1,056,025	1,200,802	1,271,140	1,471,977	1,540,181	1,773,548
Hawaii	41,150	36,522	38,299	50,421	47,676	58,671	58,779	84,753
Oregon	127,616	85,300	125,405	126,494	150,692	195,602	181,597	214,173
Washington	190,366	173,739	247,170	263,552	272,155	302,009	333,978	371,819
Outlying areas, total	146,338	163,996	201,310	234,145	274,100	298,288	251,323	262,135
Guam	5,379	2,687	2,443	6,153	5,711	11,105	4,203	4,530
Puerto Rico	135,465	156,643	191,938	219,555	259,211	278,117	240,524	250,706
American Samoa	915	892	2,021	625	810	1,169	768	921
Virgin Islands	2,268	2,314	1,713	2,768	2,009	4,942	3,093	3,040
Trust Territory Pac Isl	2,311	1,460	3,195	5,044	6,359	2,955	2,735	2,938

1/ Total obligations were estimated based on revised data from the Department of Education.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-3. -- Federal obligations to the 100 universities and colleges receiving the largest amounts: fiscal years 1982-89

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982 1/	1983 1/	1984	1985	1986	1987	1988	1989
	Total, all institutions	8,776,978	9,344,618	10,039,468	10,971,593	11,619,243	13,433,460	14,066,032	15,657,609
1	Johns Hopkins University	327,090	331,855	401,466	448,068	465,453	528,442	592,176	612,128
2	Stanford University	137,314	152,906	179,149	203,707	201,452	225,369	236,933	275,781
3	University of Washington	128,197	134,929	171,963	183,352	178,210	202,073	220,260	246,883
4	Mass Inst of Technology	164,182	193,509	195,255	213,214	212,360	210,327	214,557	236,632
5	University of Minnesota	109,957	99,748	118,581	142,497	138,970	160,994	162,999	203,183
6	Univ of Cal Los Angeles	108,118	128,718	132,382	151,180	149,345	174,488	182,461	200,090
7	University of Michigan	100,432	95,902	116,566	133,679	135,186	162,681	175,968	198,199
8	Cornell University	107,846	112,868	133,136	155,831	160,138	169,259	193,134	192,077
9	Univ of Cal San Diego	108,270	114,766	117,426	117,937	147,381	167,637	156,084	184,633
10	Univ of Wis-Madison	100,091	111,709	122,577	148,703	143,693	160,121	157,101	178,913
	Total 1st 10 institutions	1,391,497	1,476,910	1,688,501	1,898,168	1,932,188	2,161,391	2,291,673	2,528,519
11	Columbia Univ Main Div	97,892	112,097	129,054	155,971	157,769	157,970	165,157	178,910
12	Univ of Cal San Francisco	84,053	86,569	97,959	114,634	119,318	144,658	164,996	177,273
13	Howard University	177,553	144,807	160,733	163,879	169,084	166,784	168,947	175,594
14	Harvard University	104,442	105,122	120,891	131,790	133,226	152,077	151,591	171,316
15	Yale University	97,750	99,805	118,641	133,756	129,700	152,379	154,714	168,338
16	Pennsylvania State Univ	80,771	84,190	100,189	111,342	123,818	132,192	164,692	166,581
17	Univ of Cal Berkeley	82,943	87,820	104,518	129,841	126,380	122,112	135,373	164,358
18	Univ of Pennsylvania	97,878	95,787	114,865	126,523	124,316	130,713	142,796	158,337
19	Univ of Southern Cal	63,238	68,490	97,476	102,542	112,170	120,928	117,569	134,061
20	University of Colorado	59,232	61,100	80,075	90,793	92,702	109,561	130,414	130,430
	Total 1st 20 institutions	2,337,249	2,422,797	2,832,902	3,159,239	3,220,671	3,550,765	3,787,922	4,153,717
21	Duke University	60,460	63,225	72,234	81,712	81,777	98,594	105,453	122,679
22	Univ of Ill Urbana	81,644	82,241	84,873	99,423	104,040	138,694	112,090	120,910
23	Washington University	61,541	62,223	71,421	82,607	83,777	102,795	111,144	120,764
24	University of Pittsburgh	52,897	56,664	65,019	76,163	79,116	89,070	101,669	114,798
25	University of Rochester	56,322	60,557	70,238	81,073	80,507	96,567	105,445	111,435
26	Univ of NC at Chapel Hill	57,328	61,768	64,344	73,431	80,459	92,141	97,362	105,873
27	University of Chicago	63,083	70,612	79,112	83,957	83,262	95,144	99,707	105,402
28	Ohio State University	62,759	72,004	79,524	87,341	96,119	95,516	93,213	105,318
29	University of Arizona	49,136	52,738	59,849	67,080	67,009	87,546	90,728	104,241
30	New York University	57,351	63,732	69,904	89,244	82,870	91,528	96,781	96,278
	Total 1st 30 institutions	2,939,770	3,068,561	3,549,420	3,981,270	4,059,607	4,538,360	4,801,514	5,261,415
31	University of Iowa	48,013	49,289	61,244	70,326	68,092	79,871	89,648	94,237
32	Purdue University	55,783	51,657	65,750	75,413	67,307	71,346	71,636	92,160
33	University of Massachuset	34,437	35,118	42,340	66,555	70,866	77,850	85,523	92,132
34	Michigan State University	63,792	61,122	68,541	72,795	74,979	76,270	79,119	87,914
35	Univ of Texas at Austin	48,452	61,145	69,028	78,729	77,483	81,014	89,941	87,717
36	University of Florida	55,872	50,675	64,740	72,675	74,267	75,850	79,346	85,812
37	Univ Alabama Birmingham	39,665	42,226	50,978	59,373	60,210	75,304	74,711	85,566
38	Louisiana State Univ	34,973	32,769	47,207	56,926	54,065	63,203	80,586	85,408
39	University of Utah	49,621	48,766	56,451	63,837	69,102	71,609	72,742	84,810
40	Indiana University	49,340	42,464	60,298	65,013	70,589	75,887	75,562	83,969
	Total 1st 40 institutions	3,419,718	3,543,792	4,135,997	4,662,912	4,746,567	5,286,564	5,600,328	6,141,140
41	Case Western Reserve Univ	41,747	43,547	51,442	56,465	57,817	65,418	72,836	79,997
42	Univ of MD College Park	38,477	45,940	51,767	64,646	67,514	62,327	72,963	78,765
43	Texas A & M University	49,906	54,205	54,738	62,003	61,920	61,776	71,401	77,655
44	Yeshiva University	51,911	57,519	60,096	64,623	64,261	71,603	73,667	77,490
45	California Inst of Tech	39,615	46,715	51,893	58,499	63,519	60,845	70,498	76,974
46	Univ of Cal Davis	39,999	41,434	47,593	52,247	54,182	61,667	68,184	76,787
47	Georgia Institute of Tech	50,370	53,075	48,065	59,731	63,071	68,797	78,012	76,724
48	Boston University	44,481	45,251	53,038	59,387	66,327	67,080	76,159	75,686
49	University of Miami	39,637	35,439	39,423	47,726	49,347	65,227	73,064	75,381
50	Baylor Col of Medicine	40,588	37,432	42,454	49,670	51,412	59,609	67,648	74,640
	Total 1st 50 institutions	3,856,449	4,004,349	4,636,506	5,237,909	5,345,937	5,930,913	6,324,760	6,911,239

See explanatory material at end of table.

(Continued)

Table C-3. -- Federal obligations to the 100 universities and colleges receiving the largest amounts: fiscal years 1982-89

[Dollars in thousands]

Rank	Institution (ranked by amount received in fiscal year 1989)	1982 1/	1983 1/	1984	1985	1986	1987	1988	1989
51	Vanderbilt University	34,134	36,887	41,307	47,096	50,141	62,124	67,772	74,100
52	Northwestern University	43,124	42,540	54,960	74,798	65,264	64,774	65,132	72,694
53	Woods Hole Ocngrphic Inst	34,168	32,983	41,182	33,814	37,318	35,620	35,299	69,486
54	University of Georgia	32,348	36,977	39,723	44,092	48,437	49,184	55,824	64,993
55	N C State Univ at Raleigh	32,744	34,501	40,740	45,515	45,791	48,129	51,545	64,808
56	Carnegie-Mellon Univ	31,410	38,382	33,786	54,052	65,186	75,967	80,412	64,642
57	Oregon State University	43,198	38,814	49,249	46,154	50,152	53,775	63,542	64,527
58	University of Virginia	34,205	34,282	39,256	46,858	48,736	55,743	57,085	63,319
59	Univ of Hawaii-Manoa	28,278	30,815	30,748	42,806	38,815	39,899	45,190	63,215
60	University of Kentucky	33,241	33,508	39,679	47,300	48,115	49,237	51,922	62,486
	Total 1st 60 institutions	4,203,299	4,364,038	5,047,136	5,720,394	5,843,892	6,465,365	6,898,483	7,575,509
61	Utah State University	23,772	21,872	26,867	32,415	34,498	37,916	51,970	61,506
62	Univ of Ill Chicago	31,659	31,382	35,344	44,368	44,825	49,716	56,737	61,391
63	Rutgers the St Univ of NJ	35,023	29,672	42,292	45,442	39,688	43,597	50,084	61,238
64	New Mexico State Univ	47,281	39,001	39,901	40,883	54,855	45,567	52,273	58,424
65	Univ of Cal Irvine	27,514	27,889	34,000	38,927	42,356	48,863	49,842	57,791
66	University of Cincinnati	39,245	29,507	37,599	41,117	41,711	53,938	51,883	56,966
67	Oregon Hlth Sciences Univ	33,744	12,765	12,770	17,059	33,322	22,855	25,597	55,822
68	Emory University	23,826	24,607	29,951	33,161	36,935	53,698	59,215	55,671
69	U Tex Sw Med Ctr - Dallas	28,169	31,768	38,425	43,495	46,132	51,827	52,771	55,192
70	Princeton University	29,595	29,446	34,503	41,091	48,805	51,224	52,604	54,695
	Total 1st 70 institutions	4,523,127	4,641,947	5,378,788	6,098,352	6,267,019	6,924,566	7,401,459	8,154,205
71	Iowa St U of Sci & Tech	24,812	25,520	31,030	34,391	43,628	46,126	44,838	54,627
72	Tulane University	14,176	14,228	17,023	18,254	23,665	23,455	23,417	54,516
73	Virginia Commonwlth Univ	23,842	24,841	29,798	37,706	36,164	41,172	41,607	53,290
74	University of Connecticut	34,968	32,732	38,136	43,004	43,379	49,089	49,792	52,304
75	Colorado State University	30,335	31,518	34,906	37,331	38,346	44,153	45,245	51,652
76	VA Polytech Inst & St U	26,871	31,785	34,107	37,878	36,505	37,204	41,911	51,457
77	Inter Am U Pr-San German	31,598	55,671	51,348	57,591	57,145	80,102	61,556	51,225
78	U P R - Regional Col Admn	22,426	17,922	22,788	43,014	56,446	53,687	48,540	50,162
79	Gallaudet University	58,581	55,212	57,378	61,173	60,378	55,184	46,608	49,667
80	Univ of Cal Santa Barbara	23,532	19,613	24,874	30,145	36,654	34,253	38,619	49,645
	Total 1st 80 institutions	4,814,268	4,950,989	5,720,176	6,498,839	6,699,329	7,388,991	7,843,592	8,672,750
81	SUNY at Stony Brook	26,381	27,737	34,340	39,068	39,805	42,514	47,429	47,247
82	Mt Sinai Sch of Medicine	22,617	24,914	29,331	31,054	32,198	38,437	51,488	45,244
83	University of New Mexico	35,320	27,373	45,055	44,189	49,599	43,426	39,953	44,616
84	SUNY at Buffalo All Cmps	19,586	19,644	23,069	27,842	28,270	36,235	39,563	44,491
85	Arizona State University	16,126	11,965	20,868	26,450	27,168	33,164	40,111	44,389
86	Univ of Missouri Columbia	30,507	28,725	35,263	36,552	39,373	41,993	40,767	43,503
87	Tufts University	36,710	26,801	31,568	38,036	40,993	43,122	39,641	42,957
88	Univ of VT & St Agric Col	16,215	19,504	27,264	26,157	29,994	33,229	46,118	41,379
89	Univ of MD Balt Prof Sch	26,350	22,047	23,861	24,393	28,961	33,575	36,484	40,554
90	Rochester Inst Technology	29,972	26,438	33,173	36,582	35,653	39,567	41,740	40,318
	Total 1st 90 institutions	5,074,052	5,186,137	6,023,968	6,829,162	7,051,343	7,774,253	8,266,886	9,107,448
91	Brown University	22,794	22,699	28,134	31,178	39,719	39,327	40,278	40,250
92	West Virginia University	17,039	14,820	22,984	21,723	25,151	26,593	36,989	39,885
93	Temple University	28,754	22,646	29,296	33,564	32,235	36,762	37,279	39,562
94	U Tennessee Knoxville	28,001	31,714	33,193	39,853	34,565	37,019	39,771	39,557
95	Wayne State University	22,238	21,548	25,297	27,282	28,395	31,526	35,301	39,107
96	Univ of Med & Dent of N J	14,857	14,578	18,344	20,662	19,310	29,951	38,904	38,932
97	University of Kansas	23,665	22,218	26,342	39,166	33,774	35,200	36,056	37,118
98	Washington State Univ	24,083	21,792	27,364	29,614	29,772	30,916	36,760	37,068
99	Oklahoma State University	21,295	21,904	20,076	30,733	30,892	33,188	31,703	37,014
100	Rockefeller University	22,920	26,940	31,549	37,745	35,755	38,888	39,429	37,014
	Total 1st 100 institutions	5,299,698	5,406,996	6,286,547	7,140,682	7,360,911	8,113,623	8,639,356	9,492,955

1/ Total obligations were estimated based on revised data from the Department of Education.

NOTE: Data for each year reflect support from the agencies included in the survey system for that year.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-4. -- Federal obligations to universities and colleges by agency and type of activity: fiscal year 1989

[Dollars in thousands]

Agency	Total obligations	Academic science/engineering							Non-science/engineering activities
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science & engineering	Fellowships, traineeships, & training grants	General support for science/engineering	Other science/engineering activities	
Total	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465
Department of Agriculture	728,568	721,675	336,036	31,098	0	4,647	0	349,894	6,893
Department of Commerce	81,360	73,992	66,041	1,232	1,631	1,240	0	3,848	7,368
Department of Defense, total	1,487,732	1,486,428	1,220,606	57,883	0	69	1,779	206,091	1,304
Army	230,923	230,618	194,929	27,383	0	0	1,746	6,560	305
Navy	854,978	854,410	676,526	0	0	69	33	177,782	568
Air Force	262,016	261,836	248,564	0	0	0	0	13,272	180
Other DOD	139,815	139,564	100,587	30,500	0	0	0	8,477	251
Department of Education	5,533,995	275,351	67,044	1,346	0	23,391	83,055	100,515	5,258,644
Department of Energy	565,518	561,108	444,499	115,525	0	939	0	145	4,410
Environmental Protection Agency	85,817	85,817	77,503	0	0	8,314	0	0	0
Department of Health & Human Services	5,204,634	4,916,250	4,512,022	22,017	0	256,209	109,491	16,511	288,384
National Institutes of Health	4,377,304	4,377,304	4,002,889	22,017	0	226,396	109,491	16,511	0
Health Resources and Services Administration	256,148	9,477	8,155	0	0	1,322	0	0	246,671
Alcohol, Drug Abuse, and Mental Health Administration	459,148	438,762	415,110	0	0	23,652	0	0	20,386
Centers for Disease Control	39,656	22,281	22,281	0	0	0	0	0	17,375
Food and Drug Administration	8,445	8,445	8,445	0	0	0	0	0	0
Office of Human Development Services	19,653	19,653	15,984	0	0	3,669	0	0	0
Health Care Financing Administration	14,343	14,343	14,343	0	0	0	0	0	0
Social Security Administration	3,653	3,653	3,653	0	0	0	0	0	0
Office of the Assistant Secretary for Health	22,819	18,867	17,697	0	0	1,170	0	0	3,952
Other DHHS	3,465	3,465	3,465	0	0	0	0	0	0
Department of Housing and Urban Development	20	0	0	0	0	0	0	0	20
Department of the Interior	67,759	56,160	52,828	0	0	0	3,332	0	11,599
Agency for International Development	65,309	65,309	65,309	0	0	0	0	0	0
Department of Labor	9,227	6,514	6,499	0	0	15	0	0	2,713
National Aeronautics and Space Administration	461,941	461,941	435,702	1,232	0	13,009	0	11,998	0
National Science Foundation	1,336,231	1,336,231	1,206,568	6,677	15,280	32,976	2,948	71,782	0
Nuclear Regulatory Commission	4,300	4,300	4,300	0	0	0	0	0	0
Department of Transportation	25,198	22,068	21,892	0	0	176	0	0	3,130

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-5. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 1 of 3)

Geographic division and State		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
United States, total	amt	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465
	no.	2,801	1,083	744	93	316	382	528	435	2,736
New England, total	amt	1,328,500	1,052,709	943,066	21,633	1,652	45,631	15,721	25,006	275,791
	no.	219	96	70	10	25	30	45	33	213
Connecticut	amt	248,533	212,774	188,744	2,579	277	12,167	4,272	4,735	35,759
	no.	41	16	14	3	6	7	7	6	41
Maine	amt	45,750	13,472	9,090	0	270	252	624	3,236	32,278
	no.	25	14	10	0	4	2	3	4	23
Massachusetts	amt	839,682	694,978	629,070	17,338	960	30,336	8,112	9,162	144,704
	no.	98	48	36	5	13	16	23	13	95
New Hampshire	amt	55,679	40,663	37,007	0	0	1,006	413	2,237	15,016
	no.	25	9	5	0	0	3	5	5	24
Rhode Island	amt	78,324	54,066	49,525	310	0	1,125	688	2,418	24,258
	no.	10	3	3	1	0	1	3	3	10
Vermont	amt	60,532	36,756	29,630	1,406	145	745	1,612	3,218	23,776
	no.	20	6	2	1	2	1	4	2	20
Middle Atlantic, total	amt	2,451,954	1,633,248	1,448,888	19,265	3,282	58,305	28,431	75,077	818,706
	no.	424	169	123	15	59	51	75	64	412
New Jersey	amt	224,745	137,472	120,772	1,357	313	6,186	2,069	6,775	87,273
	no.	49	20	10	3	6	6	8	11	49
New York	amt	1,447,386	957,265	843,497	10,628	1,975	33,863	17,875	49,427	490,121
	no.	238	95	76	7	31	33	48	35	227
Pennsylvania	amt	779,823	538,511	484,619	7,280	994	18,256	8,487	18,875	241,312
	no.	137	54	37	5	22	12	19	18	136
East North Central, total	amt	2,197,424	1,298,632	1,139,209	7,265	3,340	48,198	24,631	75,989	898,792
	no.	414	150	107	8	60	39	68	50	403
Illinois	amt	604,137	376,154	324,405	1,900	401	15,136	9,166	25,146	227,983
	no.	130	43	29	2	12	13	21	19	128
Indiana	amt	256,735	152,837	131,315	988	668	4,636	3,901	11,329	103,898
	no.	46	17	13	2	8	3	5	5	44
Michigan	amt	503,019	293,896	259,265	2,621	944	13,190	5,214	12,662	209,123
	no.	83	30	20	2	14	4	15	10	81
Ohio	amt	471,779	264,557	238,131	30	899	8,261	3,321	13,915	207,222
	no.	100	36	25	1	16	14	18	9	98
Wisconsin	amt	361,754	211,188	186,093	1,726	428	6,975	3,029	12,937	150,566
	no.	55	24	20	1	10	5	9	7	52
West North Central, total	amt	1,104,823	606,785	472,065	35,957	1,408	22,441	13,294	61,620	498,038
	no.	295	99	66	8	33	22	41	39	291
Iowa	amt	220,887	123,633	103,214	1,930	139	4,391	2,441	11,518	97,254
	no.	54	17	8	1	4	5	6	5	53
Kansas	amt	128,654	53,138	39,105	1,358	23	1,667	2,005	8,980	75,516
	no.	50	13	6	1	2	2	6	6	50
Minnesota	amt	290,277	181,606	133,439	27,383	631	5,079	3,219	11,855	108,671
	no.	56	25	18	1	14	3	9	8	55
Missouri	amt	284,354	178,774	150,269	354	206	10,789	3,734	13,422	105,580
	no.	73	19	15	1	4	7	10	6	73
Nebraska	amt	80,646	36,312	27,462	242	45	346	1,314	6,903	44,334
	no.	27	10	10	1	3	2	4	4	27
North Dakota	amt	56,232	21,840	11,715	4,593	61	83	167	5,221	34,392
	no.	16	7	2	2	2	2	3	6	16
South Dakota	amt	43,773	11,482	6,861	97	303	86	414	3,721	32,291
	no.	19	8	7	1	4	1	3	4	17

See explanatory material at end of table.

(Continued)

Table C-5. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 2 of 3)

Geographic division and State		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
South Atlantic, total	amt	2,827,600	1,882,292	1,476,995	32,482	1,995	47,078	35,076	288,666	945,308
	no.	471	181	121	15	49	76	93	69	467
Delaware	amt	30,081	19,806	16,333	0	0	469	479	2,525	10,275
	no.	7	4	2	0	0	2	2	4	7
District of Columbia	amt	309,452	80,624	69,206	0	121	1,761	4,546	4,990	228,828
	no.	13	8	7	0	2	7	8	7	13
Florida	amt	396,804	224,558	196,397	1,003	436	5,187	7,768	13,767	172,246
	no.	77	27	17	3	9	10	18	12	77
Georgia	amt	316,845	217,051	183,001	2,086	179	2,993	4,763	24,029	99,794
	no.	68	29	21	2	6	15	13	5	67
Maryland	amt	804,615	727,151	514,747	5,331	141	13,431	4,702	188,799	77,464
	no.	51	27	15	3	4	9	10	11	50
North Carolina	amt	473,274	331,683	287,838	1,090	242	14,522	5,241	22,750	141,591
	no.	117	31	20	1	9	14	19	11	116
South Carolina	amt	136,683	66,126	38,927	11,500	345	1,088	2,217	12,049	70,557
	no.	48	22	14	2	6	8	9	6	47
Virginia	amt	281,204	181,976	155,454	209	274	7,199	4,583	14,257	99,228
	no.	63	23	18	2	9	9	11	10	63
West Virginia	amt	78,642	33,317	15,092	11,263	257	428	777	5,500	45,325
	no.	27	10	7	2	4	2	3	3	27
East South Central, total	amt	817,196	394,946	311,109	4,029	691	12,757	13,799	52,561	422,250
	no.	214	70	42	5	20	35	36	24	211
Alabama	amt	262,716	146,608	123,373	1,098	105	4,695	4,071	13,266	116,108
	no.	71	20	10	2	5	13	11	8	70
Kentucky	amt	143,265	50,605	36,140	0	226	651	1,333	12,255	92,660
	no.	36	11	9	0	4	4	5	3	36
Mississippi	amt	157,578	55,277	36,227	2,813	113	1,344	2,621	12,159	102,301
	no.	40	17	9	2	5	9	8	6	39
Tennessee	amt	253,637	142,456	115,369	118	247	6,067	5,774	14,881	111,181
	no.	67	22	14	1	6	9	12	7	66
West South Central, total	amt	1,302,923	721,060	590,849	20,406	2,165	15,810	21,522	70,308	581,863
	no.	231	100	77	9	23	49	58	51	229
Arkansas	amt	97,141	31,866	19,643	194	205	267	2,140	9,417	65,275
	no.	29	11	10	1	4	5	7	4	29
Louisiana	amt	254,787	131,872	100,418	13,601	155	2,466	4,783	10,447	122,915
	no.	24	13	11	2	4	7	10	7	24
Oklahoma	amt	144,376	53,133	30,968	3,500	26	1,142	1,831	15,666	91,243
	no.	40	18	11	1	2	9	8	6	40
Texas	amt	806,619	504,189	439,820	3,109	1,779	11,935	12,768	34,778	302,430
	no.	138	58	45	5	13	28	33	34	136
Mountain, total	amt	895,916	566,572	478,171	21,294	554	13,349	14,024	39,180	329,344
	no.	140	63	39	6	14	25	31	34	136
Arizona	amt	186,363	125,344	103,319	10,123	210	2,786	3,141	5,765	61,019
	no.	28	9	4	2	2	3	6	5	27
Colorado	amt	248,105	166,544	147,301	210	214	6,667	3,721	8,431	81,561
	no.	41	17	10	1	6	5	6	10	41
Idaho	amt	49,910	18,473	10,424	3,787	27	116	441	3,678	31,437
	no.	10	5	3	1	2	2	3	3	10
Montana	amt	40,921	15,588	10,414	49	43	234	1,231	3,617	25,333
	no.	20	10	5	1	1	3	7	5	20
Nevada	amt	25,308	15,991	14,113	0	34	286	286	1,272	9,317
	no.	9	5	5	0	1	2	1	1	7
New Mexico	amt	126,652	85,426	74,134	0	18	1,103	2,642	7,529	41,226
	no.	14	9	7	0	1	3	4	5	13

See explanatory material at end of table.

(Continued)

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Table C-5. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, and type of activity: fiscal year 1989

[Dollars in thousands]

Geographic division and State		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Mountain, cont'd										
Utah	amt	194,328	126,791	108,117	7,125	0	1,970	2,529	7,050	67,537
	no.	10	5	3	1	0	5	3	4	10
Wyoming	amt	24,329	12,415	10,349	0	8	187	33	1,838	11,914
	no.	8	3	2	0	1	2	1	1	8
Pacific, total	amt	2,469,138	1,878,302	1,636,624	74,679	1,793	76,453	27,879	60,874	590,836
	no.	353	131	84	17	32	50	66	59	335
Alaska	amt	24,845	18,866	15,111	0	0	1,215	549	1,991	5,979
	no.	7	4	4	0	0	2	3	2	6
California	amt	1,773,548	1,396,606	1,258,964	25,181	1,341	61,249	17,411	32,460	376,942
	no.	240	85	53	10	22	33	36	37	228
Hawaii	amt	84,753	67,163	47,913	14,079	0	602	1,761	2,808	17,590
	no.	14	4	3	1	0	3	2	1	12
Oregon	amt	214,173	139,024	90,171	29,345	165	2,604	3,558	13,181	75,149
	no.	43	18	11	3	4	6	15	9	42
Washington	amt	371,819	256,643	224,465	6,074	287	10,783	4,600	10,434	115,176
	no.	49	20	13	3	6	6	10	10	47
Outlying areas, total	amt	262,135	38,598	19,873	0	31	963	6,228	11,503	223,537
	no.	40	24	15	0	1	5	15	12	39
Guam	amt	4,530	2,669	1,193	0	0	0	15	1,461	1,861
	no.	2	1	1	0	0	0	1	1	2
Puerto Rico	amt	250,706	31,523	16,561	0	31	963	5,926	8,042	219,183
	no.	33	19	10	0	1	5	13	7	32
American Samoa	amt	921	660	290	0	0	0	0	370	261
	no.	1	1	1	0	0	0	0	1	1
Virgin Islands	amt	3,040	2,083	1,052	0	0	0	287	744	957
	no.	1	1	1	0	0	0	1	1	1
Trust Territory Pac Isl	amt	2,938	1,663	777	0	0	0	0	886	1,275
	no.	3	2	2	0	0	0	0	2	3

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-6. -- Federal obligations to universities and colleges by geographic division, State, and agency: fiscal year 1989

[Dollars in thousands]

Geographic division and State	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	15,657,609	728,568	81,360	1,487,732	5,533,995	565,518	85,817	5,204,634	67,759	461,941	1,336,231	104,054
New England, total	1,328,500	40,705	11,200	140,601	280,368	88,728	8,533	539,948	2,455	36,196	168,894	10,872
Connecticut	248,533	3,959	3,376	11,243	37,796	10,584	958	162,246	150	1,192	16,978	51
Maine	45,750	5,296	2,116	176	32,705	0	716	1,938	368	387	2,048	0
Massachusetts	839,682	18,804	4,095	116,288	143,877	74,213	5,366	310,728	901	27,930	127,191	10,280
New Hampshire	55,679	3,461	259	2,469	15,169	977	481	21,643	280	5,263	5,596	89
Rhode Island	78,324	2,436	1,354	10,252	24,972	2,640	774	18,454	606	1,424	15,031	381
Vermont	60,532	6,749	0	173	25,849	314	238	24,939	150	0	2,050	70
Middle Atlantic, total	2,451,954	51,832	4,912	178,488	818,876	78,546	13,299	983,472	8,497	37,636	262,928	13,468
New Jersey	224,745	8,332	162	14,662	86,499	6,505	3,807	67,118	667	4,005	32,423	565
New York	1,447,386	22,102	3,838	65,553	489,614	46,509	6,767	618,968	1,453	18,521	163,750	10,311
Pennsylvania	779,823	21,398	912	98,273	242,763	25,532	2,725	297,386	6,377	15,110	66,755	2,592
East North Central, total	2,197,424	96,929	9,001	105,737	895,711	68,388	12,152	686,412	3,195	60,067	236,362	23,470
Illinois	604,137	19,514	1,837	32,548	233,465	22,029	2,449	188,199	816	12,022	88,598	2,660
Indiana	256,735	17,351	75	10,259	105,335	11,828	1,298	62,725	559	4,199	39,285	3,821
Michigan	503,019	23,475	3,407	16,606	207,993	13,147	4,243	167,649	717	12,949	47,568	5,265
Ohio	471,779	19,436	1,160	36,392	199,463	5,297	2,823	147,688	402	20,838	27,759	10,521
Wisconsin	361,754	17,153	2,522	9,932	149,455	16,087	1,339	120,151	701	10,059	33,152	1,203
West North Central, total	1,104,823	106,450	3,862	42,652	490,651	14,380	6,859	347,080	9,129	22,122	54,326	7,312
Iowa	220,887	24,932	2,810	3,834	94,772	1,278	1,137	69,251	541	13,286	8,337	709
Kansas	128,654	12,830	182	1,816	80,045	2,346	2,622	20,629	198	1,418	5,654	914
Minnesota	290,277	16,339	30	32,451	107,251	5,202	2,148	101,681	671	2,715	21,721	68
Missouri	284,354	19,523	214	2,910	104,373	3,077	387	133,280	2,294	3,475	12,742	2,079
Nebraska	80,646	11,663	410	1,334	42,840	412	12	17,241	382	691	2,996	2,665
North Dakota	56,232	14,851	116	307	31,521	1,950	553	3,544	2,147	111	528	604
South Dakota	43,773	6,312	100	0	29,849	115	0	1,454	2,896	426	2,348	273
South Atlantic, total	2,827,600	125,571	15,607	559,737	937,357	84,830	18,491	842,954	7,333	61,801	145,774	28,145
Delaware	30,081	3,918	1,291	2,836	11,809	585	273	3,625	150	619	4,975	0
District of Columbia	309,452	2,071	355	6,577	231,290	1,695	983	52,462	150	4,715	6,426	2,728
Florida	396,804	17,833	2,616	43,960	172,294	17,560	1,637	103,747	789	6,236	28,373	1,759
Georgia	316,845	20,754	1,547	64,757	92,257	19,042	2,018	88,098	872	7,233	17,968	2,299
Maryland	804,615	10,355	3,417	396,282	78,308	8,792	3,804	244,007	5	17,817	29,551	12,277
North Carolina	473,274	27,537	1,692	20,438	136,943	6,722	7,673	229,143	449	7,291	30,795	4,591
South Carolina	136,683	14,559	1,904	8,205	69,914	9,567	324	23,985	266	797	7,082	80
Virginia	281,204	17,977	1,678	15,881	99,681	10,626	1,763	90,035	2,466	16,826	19,878	4,393
West Virginia	78,642	10,567	1,107	801	44,861	10,241	16	7,852	2,186	267	726	18
East South Central, total	817,196	83,642	3,927	23,157	405,976	13,926	1,842	227,284	4,301	24,751	25,667	2,723
Alabam_	262,716	19,949	328	13,139	109,214	1,970	463	89,189	1,074	18,554	6,914	1,922
Kentucky	143,265	20,098	2,186	1,000	86,741	2,220	305	25,500	470	703	3,892	150
Mississippi	157,578	24,764	1,336	4,480	103,827	4,301	76	12,001	1,916	1,408	3,278	191
Tennessee	253,637	18,831	77	4,538	106,194	5,435	998	100,594	841	4,086	11,583	460
West South Central, total	1,302,923	86,961	6,055	105,210	572,590	50,267	6,763	367,517	3,783	32,567	67,010	4,200
Arkansas	97,141	15,814	100	856	66,151	1,177	454	10,382	164	282	1,639	122
Louisiana	254,787	14,642	1,773	36,534	118,199	16,150	1,309	53,276	1,744	2,189	7,416	1,555
Oklahoma	144,376	14,702	358	4,693	91,620	6,284	649	14,808	548	3,805	6,756	153
Texas	806,619	41,803	3,824	63,127	296,620	26,656	4,351	289,051	1,327	26,291	51,199	2,370
Mountain, total	895,916	45,605	5,281	106,693	327,873	30,743	7,847	207,077	18,456	59,630	83,105	3,606
Arizona	186,363	6,765	287	11,549	58,860	13,043	842	48,817	5,878	18,001	21,010	1,311
Colorado	248,105	10,087	2,437	13,061	80,153	6,818	1,895	83,372	1,816	16,000	31,689	777
Idaho	49,910	6,271	899	3,152	32,122	285	278	1,192	2,104	1,692	1,612	303
Montana	40,921	5,538	146	259	23,648	44	817	3,091	3,585	272	3,095	426
Nevada	25,308	2,701	1,386	128	8,942	123	2,561	4,525	1,647	402	2,865	28
New Mexico	126,652	5,560	107	33,172	41,200	4,281	90	13,576	696	21,455	6,515	0
Utah	194,328	5,221	0	43,831	71,189	5,544	1,069	51,013	2,056	1,620	12,024	761
Wyoming	24,329	3,462	19	1,541	11,759	605	295	1,491	674	188	4,295	0
Pacific, total	2,469,138	73,518	20,775	224,874	583,472	135,585	10,019	985,328	10,160	126,847	288,417	10,143
Alaska	24,845	2,493	2,467	754	6,028	704	0	1,061	786	3,383	7,169	
California	1,773,548	25,601	4,442	169,452	370,903	98,271	6,933	760,101	5,609	109,625	217,089	5,520
Hawaii	84,753	6,572	9,221	16,666	15,341	1,737	0	13,445	676	6,095	12,426	2,574
Oregon	214,173	20,351	2,672	8,881	77,932	26,652	1,506	51,190	1,839	3,241	18,845	1,064
Washington	371,819	18,501	1,973	29,121	113,268	8,221	1,580	159,531	1,250	4,503	32,888	983
Outlying areas, total	262,135	17,355	740	583	221,121	125	12	17,562	450	324	3,748	115
Guam	4,530	1,697	0	0	2,189	0	0	405	150	0	89	0
Puerto Rico	250,706	11,689	640	583	216,635	125	12	16,774	150	324	3,659	115
American Samoa	921	660	0	0	228	0	0	33	0	0	0	0
Virgin Islands	3,040	1,646	0	0	957	0	0	287	150	0	0	0
Trust Territory Pac Isl	2,938	1,663	100	0	1,112	0	0	63	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-7. -- Federal obligations to the 100 universities and colleges receiving the largest amounts by type of activity: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by total federal obligations)	Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
	Total, all institutions	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465
1	Johns Hopkins University	612,128	604,567	411,879	2,031	0	11,372	2,498	176,787	7,561
2	Stanford University	275,781	265,282	239,847	9,233	0	13,715	789	1,698	10,499
3	University of Washington	246,883	222,126	203,691	952	0	10,351	3,442	3,690	24,757
4	Mass Inst of Technology	236,632	231,126	207,157	13,270	0	8,307	715	1,677	5,506
5	University of Minnesota	203,183	174,043	128,727	27,383	44	5,066	2,536	10,287	29,140
6	Univ of Cal Los Angeles	200,090	182,282	170,839	232	0	7,662	1,730	1,819	17,808
7	University of Michigan	198,199	182,243	167,865	1,156	199	10,607	1,922	494	15,956
8	Cornell University	192,077	181,492	139,954	2,877	0	6,200	1,483	30,978	10,585
9	Univ of Cal San Diego	184,633	176,478	166,601	1,167	0	6,876	1,789	45	8,155
10	Univ of Wis-Madison	178,913	171,168	150,474	1,726	7	6,277	1,977	10,707	7,745
	Total 1st 10 institutions	2,528,519	2,390,807	1,987,034	60,027	250	86,433	18,881	238,182	137,712
11	Columbia Univ Main Div	178,910	165,056	150,263	3,764	0	8,090	1,845	1,094	13,854
12	Univ of Cal San Francisco	177,273	171,384	159,027	944	0	9,236	1,464	713	5,889
13	Howard University	175,594	14,608	12,291	0	0	712	1,525	80	160,986
14	Harvard University	171,316	161,251	141,760	1,614	0	15,010	2,406	461	10,065
15	Yale University	168,338	162,017	146,245	1,309	0	10,668	2,533	1,262	6,321
16	Pennsylvania State Univ	166,581	135,092	119,435	351	0	1,484	1,123	12,699	31,489
17	Univ of Cal Berkeley	164,358	147,478	131,070	0	0	11,222	1,205	3,981	16,880
18	Univ of Pennsylvania	158,337	145,478	132,805	477	0	9,809	2,218	169	12,859
19	Univ of Southern Cal	134,061	118,775	114,766	0	0	2,500	1,242	267	15,286
20	University of Colorado	130,430	110,494	101,345	210	27	4,729	1,766	2,417	19,936
	Total 1st 20 institutions	4,153,717	3,722,440	3,196,041	68,696	277	159,893	36,208	261,325	431,277
21	Duke University	122,679	117,850	108,611	1,090	0	6,271	693	1,185	4,829
22	Univ of Ill Urbana	120,910	120,659	100,062	998	0	2,173	915	16,511	251
23	Washington University	120,764	115,160	102,974	354	0	8,964	2,419	449	5,604
24	University of Pittsburgh	114,798	98,353	91,094	617	0	2,900	1,560	2,182	16,445
25	University of Rochester	111,435	106,183	98,550	921	0	3,964	884	1,864	5,252
26	Univ of NC at Chapel Hill	105,873	99,357	93,244	0	0	5,226	788	99	6,516
27	University of Chicago	105,402	100,914	90,611	0	0	8,589	836	878	4,488
28	Ohio State University	105,318	86,055	72,702	30	0	1,153	593	11,577	19,263
29	University of Arizona	104,241	92,224	82,913	123	0	2,285	1,999	4,904	12,017
30	New York University	96,278	82,947	77,761	0	0	3,350	702	1,134	13,331
	Total 1st 30 institutions	5,261,415	4,742,142	4,114,563	72,829	277	204,768	47,597	302,108	519,273
31	University of Iowa	94,237	81,838	76,059	0	0	3,818	1,717	244	12,399
32	Purdue University	92,160	75,869	62,751	0	0	1,719	1,599	9,800	16,291
33	University of Massachuset	92,132	73,345	67,183	0	0	1,159	1,055	3,948	18,787
34	Michigan State University	87,914	69,762	54,382	1,465	0	1,614	1,224	11,077	18,152
35	Univ of Texas at Austin	87,717	87,432	84,619	0	0	1,520	1,027	266	285
36	University of Florida	85,812	70,706	58,696	582	0	2,006	1,488	7,934	15,106
37	Univ Alabama Birmingham	85,566	75,153	70,702	997	0	2,345	812	297	10,413
38	Louisiana State Univ	85,408	61,726	39,088	13,000	85	596	1,478	7,479	23,682
39	University of Utah	84,810	72,106	61,361	7,125	0	1,792	1,334	494	12,704
40	Indiana University	83,969	61,604	55,449	578	0	2,404	1,761	1,412	22,365
	Total 1st 40 institutions	6,141,140	5,471,683	4,744,853	96,576	362	223,741	61,092	345,059	669,457
41	Case Western Reserve Univ	79,997	74,430	69,589	0	0	4,205	636	0	5,567
42	Univ of MD College Park	78,765	70,824	60,252	300	0	1,249	771	8,252	7,941
43	Texas A & M University	77,655	65,052	44,928	1,852	0	1,302	426	16,544	12,603
44	Yeshiva University	77,490	75,132	68,553	844	0	4,358	1,374	3	2,358
45	California Inst of Tech	76,974	76,974	69,335	679	0	3,602	197	3,161	0
46	Univ of Cal Davis	76,787	64,271	60,100	938	0	1,945	831	457	12,516
47	Georgia Institute of Tech	76,724	72,639	60,949	0	83	717	239	10,671	4,085
48	Boston University	75,686	66,235	60,029	584	0	3,434	1,018	1,170	9,451
49	University of Miami	75,381	63,781	60,135	406	0	1,627	1,024	589	11,600
50	Baylor Col of Medicine	74,640	72,715	69,499	0	0	1,682	443	1,091	1,925
	Total 1st 50 institutions	6,911,239	6,173,736	5,368,222	102,179	425	247,862	68,051	386,997	737,503

See explanatory material at end of table.

(Continued)

Table C-7. -- Federal obligations to the 100 universities and colleges receiving the largest amounts by type of activity: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by total federal obligations)	Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
51	Vanderbilt University	74,100	71,263	63,978	0	0	4,457	1,548	1,280	2,837
52	Northwestern University	72,694	64,214	57,494	902	0	2,497	1,234	2,087	8,480
53	Woods Hole Oceanographic Inst	69,486	69,486	67,289	1,796	0	39	12	350	0
54	University of Georgia	64,993	59,715	45,627	1,198	0	623	892	11,375	5,278
55	N C State Univ at Raleigh	64,808	58,935	43,466	0	0	992	268	14,209	5,873
56	Carnegie-Mellon Univ	64,642	60,277	57,605	285	0	1,028	199	1,160	4,365
57	Oregon State University	64,527	56,010	42,562	7,275	0	811	583	4,779	8,517
58	University of Virginia	63,319	57,292	51,990	63	0	3,806	1,217	216	6,027
59	Univ of Hawaii-Manoa	63,215	54,518	36,693	14,079	0	424	514	2,808	8,697
60	University of Kentucky	62,486	38,616	27,349	0	25	428	595	10,219	23,870
	Total 1st 60 institutions	7,575,509	6,764,062	5,862,275	127,777	450	262,967	75,113	435,480	811,447
61	Utah State University	61,506	50,735	43,219	0	0	81	1,184	6,251	10,771
62	Univ of Ill Chicago	61,391	46,266	43,271	0	0	849	1,186	960	15,125
63	Rutgers the St Univ of NJ	61,238	44,705	36,241	243	79	1,952	636	5,554	16,533
64	New Mexico State Univ	56,424	50,372	44,210	0	0	349	683	5,130	8,052
65	Univ of Cal Irvine	57,791	50,199	47,303	105	0	1,443	1,304	44	7,592
66	University of Cincinnati	56,966	43,623	40,996	0	0	1,701	450	476	13,343
67	Oregon Hlth Sciences Univ	55,822	51,861	23,231	22,000	0	782	385	5,463	3,961
68	Emory University	55,671	48,030	45,840	888	0	531	771	0	7,641
69	U Tex Sw Med Ctr - Dallas	55,192	52,642	48,591	277	0	2,573	503	698	2,550
70	Princeton University	54,695	51,396	47,037	125	0	3,694	524	16	3,299
	Total 1st 70 institutions	8,154,205	7,253,891	6,282,214	151,415	529	276,922	82,739	460,072	900,314
71	Iowa St U of Sci & Tech	54,627	38,947	25,987	1,930	102	261	321	10,346	15,680
72	Tulane University	54,516	48,420	46,873	603	0	282	388	274	6,096
73	Virginia Commonwlth Univ	53,290	45,692	42,684	0	0	1,571	1,023	414	7,598
74	University of Connecticut	52,304	46,395	39,761	1,245	0	1,337	1,112	2,940	5,909
75	Colorado State University	51,652	42,523	36,120	0	0	1,703	622	4,078	9,129
76	VA Polytech Inst & St U	51,457	46,491	34,585	146	0	374	299	11,087	4,966
77	Inter Am U Pr-San German	51,225	499	27	0	31	0	325	116	50,726
78	U P R - Regional Col Admn	50,162	284	280	0	0	0	0	4	49,878
79	Gallaudet University	49,667	2,138	1,362	0	0	92	425	259	47,529
80	Univ of Cal Santa Barbara	49,645	41,978	37,444	247	0	400	1,519	2,368	7,667
	Total 1st 80 institutions	8,672,750	7,567,258	6,547,337	155,586	662	282,942	88,773	491,958	1,105,492
81	SUNY at Stony Brook	47,247	44,406	41,251	1,483	0	1,099	381	192	2,841
82	Mt Sinai Sch of Medicine	45,244	42,970	40,873	684	0	1,039	374	0	2,274
83	University of New Mexico	44,616	29,015	24,835	0	0	740	1,599	1,841	15,601
84	SUNY at Buffalo All Cmps	44,491	40,906	33,934	0	0	832	749	5,391	3,585
85	Arizona State University	44,389	29,062	17,719	10,000	0	479	324	540	15,327
86	Univ of Missouri Columbia	43,503	35,006	23,042	0	0	831	287	10,846	8,497
87	Tufts University	42,957	40,240	38,566	0	0	924	720	30	2,717
88	Univ of VT & St Agric Col	41,379	35,575	29,351	1,406	94	745	1,436	2,543	5,804
89	Univ of MD Balt Prof Sch	40,554	35,918	34,648	0	0	303	550	417	4,636
90	Rochester Inst Technology	40,318	2,038	1,635	0	388	15	0	0	38,280
	Total 1st 90 institutions	9,107,448	7,902,394	6,833,191	169,159	1,144	289,949	95,193	513,758	1,205,054
91	Brown University	40,250	35,604	33,000	310	0	1,125	318	851	4,646
92	West Virginia University	39,885	30,520	13,166	10,831	200	412	680	5,231	9,365
93	Temple University	39,562	24,730	22,929	0	0	807	724	270	14,832
94	U Tennessee Knoxville	39,557	31,733	19,229	118	32	408	535	11,411	7,824
95	Wayne State University	39,107	28,953	26,945	0	0	951	1,053	4	10,154
96	Univ of Med & Dent of N J	38,932	34,417	32,369	989	0	499	506	54	4,515
97	University of Kansas	37,118	28,133	23,380	0	0	1,542	1,444	1,767	8,985
98	Washington State Univ	37,068	28,153	19,172	3,303	0	382	421	4,875	8,915
99	Oklahoma State University	37,014	25,179	13,264	0	0	275	602	11,038	11,835
100	Rockefeller University	37,014	37,014	35,586	0	0	1,170	258	0	0
	Total 1st 100 institutions	9,492,955	8,206,830	7,072,231	184,710	1,376	297,520	101,734	549,259	1,286,125

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-8. -- Federal obligations to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	15,657,609	728,568	81,360	1,487,732	5,533,995	565,518	85,817	5,204,634	67,759	461,941	1,336,231	104,054
1	Johns Hopkins University	612,128	49	106	378,658	6,576	1,851	324	198,589	0	4,489	10,634	10,852
2	Stanford University	275,781	854	48	39,635	8,432	27,017	3,368	122,797	119	41,807	31,704	0
3	University of Washington	246,883	2,257	1,903	27,754	20,345	6,825	1,064	152,618	854	4,049	28,231	983
4	Mass Inst of Technology	236,632	0	50	42,576	6,157	62,559	381	56,893	485	19,433	45,256	2,842
5	University of Minnesota	203,183	16,339	30	32,451	25,743	5,202	1,159	99,035	671	2,675	19,810	68
6	Univ of Cal Los Angeles	200,090	160	53	11,495	16,385	17,899	540	127,475	75	6,156	19,764	88
7	University of Michigan	198,199	1,433	3,153	11,378	15,731	8,445	3,687	118,120	0	12,043	21,762	2,447
8	Cornell University	192,077	21,113	100	15,153	11,022	4,169	835	71,842	346	5,329	61,612	556
9	Univ of Cal San Diego	184,633	470	2,897	29,104	6,484	3,399	0	98,038	291	12,067	31,883	0
10	Univ of Wis-Madison	178,913	16,052	125	8,902	4,448	14,376	610	95,344	272	9,452	28,355	977
	Total 1st 10 institutions	2,528,519	58,727	8,465	597,106	121,323	151,742	11,968	1,140,751	3,113	117,500	299,011	18,813
11	Columbia Univ Main Div	178,910	0	0	11,464	12,376	6,773	53	111,869	908	3,944	29,362	2,161
12	Univ of Cal San Francisco	177,273	0	0	2,706	8	3,456	175	167,047	0	1,283	2,537	61
13	Howard University	175,594	201	0	707	164,496	395	427	6,830	0	834	1,704	0
14	Harvard University	171,316	0	0	7,522	8,727	4,642	848	118,067	77	4,475	20,852	6,106
15	Yale University	168,338	47	30	8,164	5,517	10,020	327	132,148	0	940	11,145	0
16	Pennsylvania State Univ	166,581	19,669	425	51,110	31,597	4,417	656	29,060	5,670	8,406	13,928	1,643
17	Univ of Cal Berkeley	164,358	8,872	749	12,701	25,210	4,270	412	45,346	446	24,578	39,988	1,786
18	Univ of Pennsylvania	158,337	1,259	0	8,535	11,793	6,860	12	112,829	0	459	16,158	432
19	Univ of Southern Cal	134,061	0	0	33,945	13,044	1,532	72	67,835	175	5,290	11,618	505
20	University of Colorado	130,430	0	2,337	6,438	16,923	4,168	508	65,791	667	13,431	20,114	53
	Total 1st 20 institutions	4,153,717	88,775	12,006	740,398	411,014	198,275	15,458	1,997,573	11,056	181,140	466,417	31,605
21	Duke University	122,679	276	0	6,031	3,208	3,824	2,109	95,803	0	763	10,665	0
22	Univ of Ill Urbana	120,910	18,434	117	18,997	417	11,714	1,646	18,786	431	3,626	44,172	2,570
23	Washington University	120,764	150	0	1,559	5,577	1,485	75	103,282	0	2,882	5,754	0
24	University of Pittsburgh	114,798	100	163	4,202	18,810	2,002	1,113	79,652	0	1,269	7,487	0
25	University of Rochester	111,435	0	0	6,720	3,755	17,217	0	74,481	0	195	9,067	0
26	Univ of NC at Chapel Hill	105,873	240	205	3,605	0	877	2,579	90,392	0	628	7,347	0
27	University of Chicago	105,402	284	67	2,346	5,092	4,420	24	68,196	0	6,427	18,546	0
28	Ohio State University	105,318	19,121	724	4,945	17,129	3,440	438	33,560	402	5,395	12,744	7,420
29	University of Arizona	104,241	6,620	267	8,575	12,578	1,741	599	43,347	1,281	16,150	12,023	1,060
30	New York University	96,278	2	0	4,184	11,808	4,408	497	65,530	0	575	5,449	3,825
	Total 1st 30 institutions	5,261,415	134,002	13,549	801,562	489,388	249,403	24,538	2,670,602	13,170	219,050	599,671	46,480
31	University of Iowa	94,237	102	126	2,694	10,539	431	598	63,936	0	12,428	3,383	0
32	Purdue University	92,160	16,867	0	8,194	17,141	5,017	575	19,987	459	3,231	16,877	3,812
33	University of Massachuset	92,132	6,453	118	11,894	16,822	1,530	323	40,819	208	1,303	12,662	0
34	Michigan State University	87,914	21,639	185	1,620	18,115	3,777	461	19,543	200	535	19,452	2,387
35	Univ of Texas at Austin	87,717	262	0	33,073	1,219	16,367	362	13,671	458	6,633	14,383	1,289
36	University of Florida	85,812	14,405	1,945	6,939	13,516	3,074	825	33,228	769	1,460	8,548	1,103
37	Univ Alabama Birmingham	85,566	100	15	1,279	6,127	0	0	72,297	0	2,659	2,459	630
38	Louisiana State Univ	85,408	11,335	432	2,385	21,865	15,837	948	26,111	484	685	5,326	0
39	University of Utah	84,810	180	0	11,429	11,052	4,313	134	48,010	1,056	796	7,555	285
40	Indiana University	83,969	483	75	725	22,629	2,887	312	39,105	100	651	16,997	5
	Total 1st 40 institutions	6,141,140	205,828	16,445	881,794	628,413	302,636	29,076	3,047,309	16,904	249,431	707,313	55,991
41	Case Western Reserve Univ	79,997	0	56	3,602	3,618	510	0	59,774	0	6,744	5,013	680
42	Univ of MD College Park	78,765	8,110	897	11,901	11,174	6,810	3,442	6,130	0	12,964	16,332	1,105
43	Texas A & M University	77,655	28,772	2,230	6,735	10,060	4,864	253	8,164	393	4,154	11,707	323
44	Yeshiva University	77,490	0	0	176	1,835	0	0	75,082	0	0	397	0
45	California Inst of Tech	76,974	0	86	14,425	0	10,032	274	15,110	948	7,706	28,393	0
46	Univ of Cal Davis	76,787	3,502	111	1,803	10,552	5,587	304	44,579	362	1,466	6,561	1,960
47	Georgia Institute of Tech	76,724	15	402	54,278	3,266	1,264	448	4,030	288	5,511	6,224	998
48	Boston University	75,686	0	39	6,079	9,997	2,232	146	49,580	13	1,555	6,045	0
49	University of Miami	75,381	0	46	4,798	9,554	293	0	51,572	0	1,266	7,852	0
50	Baylor Col of Medicine	74,640	7,040	0	1,047	2,061	341	0	63,466	0	667	18	0
	Total 1st 50 institutions	6,911,239	253,267	20,312	986,538	690,530	334,569	33,943	3,424,796	18,908	291,464	795,855	61,057

See explanatory material at end of table.

(Continued)

Table C-8. -- Federal obligations to the 100 universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Vanderbilt University	74,100	45	0	1,390	5,270	542	0	59,974	0	2,670	4,209	0
52	Northwestern University	72,694	60	91	4,308	9,463	3,900	0	39,194	47	1,434	14,107	90
53	Woods Hole Ocngrphic Inst	69,486	0	3,481	38,365	0	428	0	443	0	222	26,547	0
54	University of Georgia	64,993	17,659	1,065	632	6,046	16,614	1,211	12,389	443	623	7,036	1,275
55	N C State Univ at Raleigh	64,808	22,323	1,340	8,303	6,694	1,671	2,851	4,828	391	3,647	9,019	3,741
56	Carnegie-Mellon Univ	64,642	0	27	26,666	4,496	4,050	340	7,607	446	3,697	17,313	0
57	Oregon State University	64,527	19,864	2,508	6,279	8,727	1,271	1,416	8,088	1,603	2,078	11,799	894
58	University of Virginia	63,319	48	491	4,271	6,787	2,232	298	38,630	9	3,313	7,032	208
59	Univ of Hawaii-Manoa	63,215	5,773	220	16,666	5,658	1,689	0	12,858	0	6,095	12,192	2,064
60	University of Kentucky	62,486	16,133	2,086	900	20,503	1,935	210	16,803	470	437	2,859	150
Total 1st	60 institutions	7,575,509	335,172	31,621	1,094,318	764,174	368,901	40,269	3,625,610	22,317	315,680	907,968	69,479
61	Utah State University	61,506	4,891	0	31,950	15,908	1,061	845	2,678	901	824	1,972	476
62	Univ of Ill Chicago	61,391	65	122	4,942	10,990	762	394	38,558	0	258	5,300	0
63	Rutgers the St Univ of NJ	61,238	8,117	132	2,838	17,476	637	1,103	16,704	156	187	13,412	476
64	New Mexico State Univ	58,424	5,512	54	20,485	7,754	1,136	90	1,478	394	19,487	2,034	0
65	Univ of Cal Irvine	57,791	296	57	4,386	7,159	3,834	320	32,749	0	1,249	7,741	0
66	University of Cincinnati	56,966	203	260	2,639	10,147	516	1,258	37,665	0	1,969	2,309	0
67	Oregon Hlth Sciences Univ	55,822	0	0	336	452	22,000	0	32,787	0	70	177	0
68	Emory University	55,671	0	0	1,239	3,677	99	0	48,694	0	285	1,677	0
69	U Tex Sw Med Ctr - Dallas	55,192	0	0	190	550	0	0	52,840	0	1,080	532	0
70	Princeton University	54,695	0	30	9,175	4,268	5,436	265	14,267	360	3,587	17,307	0
Total 1st	70 institutions	8,154,205	354,256	32,276	1,172,498	842,555	404,382	44,544	3,904,030	24,128	344,676	960,429	70,431
71	Iowa St U of Sci & Tech	54,627	24,828	2,684	1,140	14,309	847	259	4,425	540	858	4,028	709
72	Tulane University	54,516	0	0	26,344	5,084	0	90	20,656	0	102	685	1,555
73	Virginia Commonwlth Univ	53,290	0	0	1,405	8,313	187	180	41,878	0	477	850	0
74	University of Connecticut	52,304	3,912	3,346	3,079	7,525	477	586	28,873	150	172	4,133	51
75	Colorado State University	51,652	10,016	0	4,684	8,591	1,149	905	15,217	608	1,430	8,328	724
76	VA Polytech Inst & St U	51,457	14,320	150	6,363	4,889	7,339	1,143	2,783	2,369	4,088	7,489	524
77	Inter Am U Pr-San German	51,225	0	0	0	51,134	0	0	33	0	0	58	0
78	U P R - Regional Col Admn	50,162	0	0	0	49,878	0	0	0	0	0	284	0
79	Gallaudet University	49,667	0	0	0	48,464	0	0	817	0	44	342	0
80	Univ of Cal Santa Barbara	49,645	180	122	13,247	8,452	3,413	408	4,223	1,397	1,162	15,989	1,054
Total 1st	80 institutions	8,672,750	407,512	38,578	1,228,760	1,049,194	417,794	48,113	4,022,935	29,192	353,009	1,002,615	75,048
81	SUNY at Stony Brook	47,247	0	0	356	1,695	4,912	0	26,478	54	1,194	12,558	0
82	Mt Sinai Sch of Medicine	45,244	0	0	0	526	256	144	43,690	0	312	316	0
83	University of New Mexico	44,616	40	53	11,626	15,323	811	0	11,738	0	1,440	3,585	0
84	SUNY at Buffalo All Cmps	44,491	0	0	1,909	2,539	557	0	28,819	0	1,273	9,394	0
85	Arizona State University	44,389	0	20	2,878	15,740	11,302	231	4,431	0	1,821	7,715	251
86	Univ of Missouri Columbia	43,503	15,670	56	560	8,200	802	224	13,320	299	223	2,231	1,918
87	Tufts University	42,957	11,345	0	382	2,814	1,039	3,650	21,491	0	5	1,775	456
88	Univ of VT & St Agric Col	41,379	6,749	0	173	7,030	314	238	24,939	150	0	1,786	0
89	Univ of MD Balt Prof Sch	40,554	0	0	2,520	1,227	0	10	36,140	0	0	657	0
90	Rochester Inst Technology	40,318	0	0	0	39,548	15	0	316	0	0	439	0
Total 1st	90 institutions	9,107,448	441,316	38,707	1,249,164	1,143,836	437,802	52,610	4,234,297	29,695	359,277	1,043,071	77,673
91	Brown University	40,250	0	113	7,322	5,051	2,640	0	15,332	216	1,391	8,185	0
92	West Virginia University	39,885	10,562	200	704	9,264	10,071	0	6,027	2,136	242	661	18
93	Temple University	39,562	230	0	675	14,757	610	23	21,934	0	45	1,288	0
94	U Tennessee Knoxville	39,557	15,153	0	1,848	8,999	4,093	0	4,833	150	992	3,489	0
95	Wayne State University	39,107	0	0	1,314	8,461	283	0	26,358	105	123	2,409	54
96	Univ of Med & Dent of N J	38,932	215	0	914	1,109	185	359	35,412	0	181	557	0
97	University of Kansas	37,118	23	182	1,139	12,614	382	502	18,004	48	982	3,107	135
98	Washington State Univ	37,068	14,397	70	1,127	9,125	1,382	479	6,613	150	305	3,420	0
99	Oklahoma State University	37,014	12,163	250	3,484	12,973	404	106	720	410	3,465	2,939	100
100	Rockefeller University	37,014	0	0	0	0	1,245	357	34,413	0	0	999	0
Total 1st	100 institutions	9,492,955	494,059	39,522	1,267,691	1,226,189	459,097	54,436	4,403,943	32,910	367,003	1,070,125	77,980

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-9. -- Federal obligations to universities and colleges by highest degree granted in the sciences and engineering, type of control, and agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Highest degree granted and type of control	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Total, all degree levels												
All institutions	15,657,609	728,568	81,360	1,487,732	5,533,995	565,518	85,817	5,204,634	67,759	461,941	1,336,231	104,054
Public	9,518,074	678,193	73,360	676,145	3,589,133	337,455	66,342	2,851,584	58,401	312,823	811,062	63,576
Private	6,139,535	50,375	8,000	811,587	1,944,862	228,063	19,475	2,353,050	9,358	149,118	525,169	40,478
Doctorate												
All institutions	11,952,564	661,904	75,085	1,464,326	2,106,474	558,406	78,089	5,128,659	51,549	440,473	1,284,207	103,392
Public	7,211,139	616,858	68,048	663,567	1,483,668	331,435	59,567	2,801,394	46,415	295,322	781,706	63,159
Private	4,741,425	45,046	7,037	800,759	622,806	226,971	18,522	2,327,265	5,134	145,151	502,501	40,233
Master's												
All institutions	1,189,672	46,796	1,497	12,565	1,012,924	4,635	5,009	48,754	3,374	19,528	34,198	392
Public	833,062	41,640	1,266	6,258	695,574	4,082	4,271	36,524	3,252	16,784	23,244	167
Private	356,610	5,156	231	6,307	317,350	553	738	12,230	122	2,744	10,954	225
Bachelor's												
All institutions	997,757	18,448	1,206	6,105	929,778	1,886	1,467	21,046	1,236	1,823	14,543	219
Public	312,965	18,275	474	1,604	275,585	1,517	1,264	9,017	1,028	613	3,388	200
Private	684,792	173	732	4,501	654,193	369	203	12,029	208	1,210	11,155	19
No science/engineering degrees												
All institutions	1,517,616	1,420	3,572	4,736	1,484,819	591	1,252	6,175	11,600	117	3,283	51
Public	1,160,908	1,420	3,572	4,716	1,134,306	421	1,240	4,649	7,706	104	2,724	50
Private	356,708	0	0	20	350,513	170	12	1,526	3,894	13	559	1

1/ Includes DOT, AID, HUD, Labor, AND NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-10. -- Number of universities and colleges receiving Federal obligations by highest degree granted in the sciences and engineering, type of control, and type of activity: fiscal year 1989

Highest degree granted and type of control	Total	Academic science/engineering							Non-science/ engineering activities
		Total academic science/ engineering	Research and development	R&D plant 1/	Facilities for instruction in science & engineering	Fellowships, traineeships, & training grants	General support for science/ engineering	Other science/ engineering activities	
Total, all degree levels									
All institutions	2,801	1,083	744	93	316	382	528	435	2,736
Public	1,347	633	435	62	166	249	335	314	1,301
Private	1,454	450	309	31	150	133	193	121	1,435
Doctorate									
All institutions	362	342	336	86	68	241	277	221	340
Public	220	219	216	59	49	158	182	155	204
Private	142	123	120	27	19	83	95	66	136
Master's									
All institutions	322	245	188	3	104	70	104	76	309
Public	191	156	127	1	59	46	78	60	182
Private	131	89	61	2	45	24	26	16	127
Bachelor's									
All institutions	779	285	167	2	98	51	83	54	771
Public	116	77	51	0	16	28	28	24	113
Private	663	208	116	2	82	23	55	30	658
No science/engineering degrees									
All institutions	1,338	211	53	2	46	20	64	84	1,316
Public	820	181	41	2	42	17	47	75	802
Private	518	30	12	0	4	3	17	9	514

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-11. -- Federal obligations to universities and colleges by highest degree granted in the sciences and engineering, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 1 of 1)

Highest degree granted and type of control	Total obligations	Academic science/engineering							Non-science/engineering activities
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science & engineering	Fellowships, traineeships, & training grants	General support for science/engineering	Other science/engineering activities	
Total, all degree levels									
All institutions	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465
Public	9,518,074	5,909,719	4,918,280	169,554	9,218	173,764	137,207	501,696	3,608,355
Private	6,139,535	4,163,425	3,598,569	67,456	7,693	167,221	63,398	259,088	1,976,110
Doctorate									
All institutions	11,952,564	9,762,709	8,365,807	228,073	4,555	327,149	155,611	681,514	2,189,855
Public	7,211,139	5,680,905	4,809,362	165,893	3,467	163,276	105,316	433,591	1,530,234
Private	4,741,425	4,081,804	3,556,445	62,180	1,088	163,873	50,295	247,923	659,621
Master's									
All institutions	1,189,672	192,047	106,413	4,879	5,878	8,100	22,346	44,431	997,625
Public	833,062	150,488	84,475	60	2,745	6,516	18,140	38,552	682,574
Private	356,610	41,559	21,938	4,819	3,133	1,584	4,206	5,879	315,051
Bachelor's									
All institutions	997,757	77,193	36,682	457	3,835	4,185	15,128	16,906	920,564
Public	312,965	42,981	18,261	0	463	2,481	8,792	12,984	269,984
Private	684,792	34,212	18,421	457	3,372	1,704	6,336	3,922	650,580
No science/engineering degrees									
All institutions	1,517,616	41,195	7,947	3,601	2,643	1,551	7,520	17,933	1,476,421
Public	1,160,908	35,345	6,182	3,601	2,543	1,491	4,959	16,569	1,125,563
Private	356,708	5,850	1,765	0	100	60	2,561	1,364	350,858

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-12. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

Geographic division, State, and type of control		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
United States, total										
Public inst's	amt	9,518,074	5,909,719	4,918,280	169,554	9,218	173,764	137,207	501,696	3,608,355
	no.	1,347	633	435	62	166	249	335	314	1,301
Private inst's	amt	6,139,535	4,163,425	3,598,569	67,456	7,693	167,221	63,398	259,088	1,976,110
	no.	1,454	450	309	31	150	133	193	121	1,435
New England										
Public inst's	amt	333,642	208,445	179,036	2,651	339	3,899	5,355	17,165	125,197
	no.	84	36	24	2	7	8	16	15	81
Private inst's	amt	994,858	844,264	764,030	18,982	1,313	41,732	10,366	7,841	150,594
	no.	135	60	46	8	18	22	29	18	132
Connecticut										
Public inst's	amt	63,907	47,441	39,913	1,245	56	1,386	1,540	3,301	16,466
	no.	22	6	4	1	2	2	2	3	22
Private inst's	amt	184,626	165,333	148,831	1,334	221	10,781	2,732	1,434	19,293
	no.	19	10	10	2	4	5	5	3	19
Maine										
Public inst's	amt	35,731	12,839	8,718	0	77	252	572	3,220	22,892
	no.	11	9	7	0	1	2	2	3	9
Private inst's	amt	10,019	633	372	0	193	0	52	16	9,386
	no.	14	5	3	0	3	0	1	1	14
Massachusetts										
Public inst's	amt	136,536	78,732	71,587	0	112	1,161	1,301	4,571	57,804
	no.	31	12	6	0	3	2	6	3	30
Private inst's	amt	703,146	616,246	557,483	17,338	848	29,175	6,811	4,591	86,900
	no.	67	36	30	5	10	14	17	10	65
New Hampshire										
Public inst's	amt	19,862	15,328	12,942	0	0	355	68	1,963	4,534
	no.	11	5	4	0	0	1	2	3	11
Private inst's	amt	35,817	25,335	24,065	0	0	651	345	274	10,482
	no.	14	4	1	0	0	2	3	2	13
Rhode Island										
Public inst's	amt	30,079	18,462	16,525	0	0	0	370	1,567	11,617
	no.	3	2	2	0	0	0	2	2	3
Private inst's	amt	48,245	35,604	33,000	310	0	1,125	318	851	12,641
	no.	7	1	1	1	0	1	1	1	7
Vermont										
Public inst's	amt	47,527	35,643	29,351	1,406	94	745	1,504	2,543	11,884
	no.	6	2	1	1	1	1	2	1	6
Private inst's	amt	13,005	1,113	279	0	51	0	108	675	11,892
	no.	14	4	1	0	1	0	2	1	14
Middle Atlantic										
Public inst's	amt	973,516	521,670	460,225	3,738	670	12,002	13,743	31,292	451,846
	no.	145	73	53	6	17	25	39	25	136
Private inst's	amt	1,478,438	1,111,578	988,663	15,527	2,612	46,303	14,688	43,785	366,860
	no.	279	96	70	9	42	26	36	39	276
New Jersey										
Public inst's	amt	146,935	83,212	71,593	1,832	251	2,481	1,463	6,192	63,723
	no.	28	13	4	2	4	4	6	7	28
Private inst's	amt	77,810	54,260	49,179	185	62	3,705	606	583	23,550
	no.	21	7	6	1	2	2	2	4	21
New York										
Public inst's	amt	420,267	177,223	154,088	1,538	291	4,108	7,963	9,235	243,044
	no.	83	44	38	2	10	17	25	12	75
Private inst's	amt	1,027,119	780,042	689,409	9,090	1,684	29,755	9,912	40,192	247,077
	no.	155	51	38	5	21	16	23	23	152
Pennsylvania										
Public inst's	amt	406,314	261,235	234,544	968	128	5,413	4,317	15,865	145,079
	no.	34	16	11	2	3	4	8	6	33
Private inst's	amt	373,509	277,276	250,075	6,312	866	12,843	4,170	3,010	96,233
	no.	103	38	26	3	19	8	11	12	103
East North Central										
Public inst's	amt	1,611,149	976,072	844,789	5,953	1,836	31,601	20,760	71,133	635,077
	no.	165	83	60	6	31	24	48	40	160
Private inst's	amt	586,275	322,560	294,420	1,312	1,504	16,597	3,871	4,856	263,715
	no.	249	67	47	2	29	15	20	10	243
Illinois										
Public inst's	amt	343,132	192,309	158,732	998	289	3,800	6,689	21,801	150,823
	no.	54	24	15	1	7	6	13	14	53

See explanatory material at end of table.

(Continued)

Table C-12. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

Geographic division, State, and type of control		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
East North Central, cont'd										
Private inst's	amt	261,005	183,845	165,673	902	112	11,336	2,477	3,345	77,160
	no.	76	19	14	1	5	7	8	5	75
Indiana										
Public inst's	amt	197,298	138,568	118,692	578	73	4,123	3,777	11,325	58,730
	no.	6	6	5	1	2	2	3	4	5
Private inst's	amt	59,437	14,269	12,623	410	595	513	124	4	45,168
	no.	40	11	8	1	6	1	2	1	39
Michigan										
Public inst's	amt	451,611	291,978	257,979	2,621	551	13,190	5,039	12,598	159,633
	no.	42	18	11	2	8	4	12	9	42
Private inst's	amt	51,408	1,918	1,286	0	393	0	175	64	49,490
	no.	41	12	9	0	6	0	3	1	39
Ohio										
Public inst's	amt	306,384	165,551	145,830	30	563	4,027	2,505	12,596	140,833
	no.	34	19	15	1	7	10	14	7	32
Private inst's	amt	165,395	99,006	92,301	0	336	4,234	816	1,319	66,389
	no.	66	17	10	0	9	4	4	2	66
Wisconsin										
Public inst's	amt	312,724	187,666	163,556	1,726	360	6,461	2,750	12,813	125,058
	no.	29	16	14	1	7	2	6	6	28
Private inst's	amt	49,030	23,522	22,537	0	68	514	279	124	25,508
	no.	26	8	6	0	3	3	3	1	24
West North Central										
Public inst's	amt	816,661	471,660	352,554	35,603	776	12,999	9,663	60,065	345,001
	no.	134	64	42	7	17	18	29	32	130
Private inst's	amt	288,162	135,125	119,511	354	632	9,442	3,631	1,555	153,037
	no.	161	35	24	1	16	4	12	7	161
Iowa										
Public inst's	amt	184,061	122,093	102,454	1,930	116	4,359	2,300	10,934	61,968
	no.	20	8	3	1	2	4	4	4	19
Private inst's	amt	36,826	1,540	760	0	23	32	141	584	35,286
	no.	34	9	5	0	2	1	2	1	34
Kansas										
Public inst's	amt	106,398	52,977	39,089	1,358	23	1,667	1,860	8,980	53,421
	no.	28	10	5	1	2	2	4	6	28
Private inst's	amt	22,256	161	16	0	0	0	145	0	22,095
	no.	22	3	1	0	0	0	2	0	22
Minnesota										
Public inst's	amt	259,013	179,295	132,409	27,383	198	5,068	2,789	11,448	79,718
	no.	26	12	9	1	5	2	5	6	25
Private inst's	amt	31,264	2,311	1,030	0	433	11	430	407	28,953
	no.	30	13	9	0	9	1	4	2	30
Missouri										
Public inst's	amt	117,339	50,789	35,469	0	106	1,390	871	12,953	66,550
	no.	27	14	11	0	3	5	7	4	27
Private inst's	amt	167,015	127,985	114,800	354	100	9,399	2,863	469	39,030
	no.	46	5	4	1	1	2	3	2	46
Nebraska										
Public inst's	amt	65,678	33,736	24,983	242	0	346	1,262	6,903	31,942
	no.	13	7	7	1	0	2	3	4	13
Private inst's	amt	14,968	2,576	2,479	0	45	0	52	0	12,392
	no.	14	3	3	0	3	0	1	0	14
North Dakota										
Public inst's	amt	50,775	21,840	11,715	4,593	61	83	167	5,221	28,935
	no.	10	7	2	2	2	2	3	6	10
Private inst's	amt	5,457	0	0	0	0	0	0	0	5,457
	no.	6	0	0	0	0	0	0	0	6
South Dakota										
Public inst's	amt	33,397	10,930	6,435	97	272	86	414	3,626	22,467
	no.	10	6	5	1	3	1	3	2	8
Private inst's	amt	10,376	552	426	0	31	0	0	95	9,824
	no.	9	2	2	0	1	0	0	2	9
South Atlantic										
Public inst's	amt	1,376,678	901,562	725,316	24,635	1,343	23,835	20,560	105,873	475,116
	no.	249	112	75	9	30	50	61	53	245
Private inst's	amt	1,450,922	980,730	751,679	7,847	652	23,243	14,516	182,793	470,192
	no.	222	69	46	6	19	26	32	16	222

See explanatory material at end of table.

(Continued)

Table C-12. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

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Geographic division, State, and type of control		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
South Atlantic, cont'd										
Delaware										
Public inst's	amt	28,440	19,731	16,333	0	0	469	479	2,450	8,709
	no.	3	3	2	0	0	2	2	3	3
Private inst's	amt	1,641	75	0	0	0	0	0	75	1,566
	no.	4	1	0	0	0	0	0	1	4
District of Columbia										
Public inst's	amt	5,518	3,347	1,038	0	52	484	439	1,334	2,171
	no.	1	1	1	0	1	1	1	1	1
Private inst's	amt	303,934	77,277	68,168	0	69	1,277	4,107	3,656	226,657
	no.	12	7	6	0	1	6	7	6	12
Florida										
Public inst's	amt	272,592	156,773	133,573	597	331	3,326	5,794	13,152	115,819
	no.	38	16	11	2	6	7	12	10	38
Private inst's	amt	124,212	67,785	62,824	406	105	1,861	1,974	615	56,427
	no.	39	11	6	1	3	3	6	2	39
Georgia										
Public inst's	amt	200,668	150,052	121,033	1,198	160	1,882	1,795	23,984	50,616
	no.	34	17	11	1	5	9	8	4	33
Private inst's	amt	116,177	66,999	61,968	888	19	1,111	2,968	45	49,178
	no.	34	12	10	1	1	6	5	1	34
Maryland										
Public inst's	amt	180,940	119,071	102,514	300	17	2,041	2,187	12,012	61,869
	no.	31	19	11	1	1	6	8	10	30
Private inst's	amt	623,675	608,080	412,233	5,031	124	11,390	2,515	176,787	15,595
	no.	20	8	4	2	3	3	2	1	20
North Carolina										
Public inst's	amt	268,565	184,228	151,680	0	154	7,347	3,572	21,475	84,337
	no.	67	21	13	0	6	9	13	9	66
Private inst's	amt	204,709	147,455	136,158	1,090	88	7,175	1,669	1,275	57,254
	no.	50	10	7	1	3	5	6	2	50
South Carolina										
Public inst's	amt	110,558	64,911	38,565	11,500	219	1,016	1,564	12,049	45,645
	no.	24	15	9	2	3	6	7	6	23
Private inst's	amt	26,125	1,213	362	0	126	72	653	0	24,912
	no.	24	7	5	0	3	2	2	0	24
Virginia										
Public inst's	amt	241,128	170,967	145,693	209	153	6,842	3,953	14,117	70,161
	no.	35	14	12	2	4	8	7	8	35
Private inst's	amt	40,076	11,009	9,761	0	121	357	630	140	29,067
	no.	28	9	6	0	5	1	4	2	28
West Virginia										
Public inst's	amt	68,269	32,480	14,887	10,831	257	428	777	5,300	35,789
	no.	16	6	5	1	4	2	3	2	16
Private inst's	amt	10,373	837	205	432	0	0	0	200	9,536
	no.	11	4	2	1	0	0	0	1	11
East South Central										
Public inst's	amt	604,380	305,462	236,726	4,029	471	7,135	7,645	49,456	298,918
	no.	105	45	33	5	13	25	22	21	102
Private inst's	amt	212,816	89,484	74,383	0	220	5,622	6,154	3,105	123,332
	no.	109	25	9	0	7	10	14	3	109
Alabama										
Public inst's	amt	224,829	138,996	119,746	1,098	94	3,927	2,660	11,471	85,833
	no.	49	14	9	2	4	9	7	7	48
Private inst's	amt	37,887	7,612	3,627	0	11	768	1,411	1,795	30,275
	no.	22	6	1	0	1	4	4	1	22
Kentucky										
Public inst's	amt	120,551	50,256	35,849	0	226	651	1,275	12,255	70,295
	no.	8	7	6	0	4	4	4	3	8
Private inst's	amt	22,714	349	291	0	0	0	58	0	22,365
	no.	28	4	3	0	0	0	1	0	28
Mississippi										
Public inst's	amt	137,736	54,219	36,175	2,813	19	1,151	1,902	12,159	83,517
	no.	25	12	8	2	2	7	5	6	24
Private inst's	amt	19,842	1,058	52	0	94	193	719	0	18,784
	no.	15	5	1	0	3	2	3	0	15

See explanatory material at end of table.

(Continued)

Table C-12. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

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Geographic division, State, and type of control		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, trainee-ships, and training grants	General support science/engineering	Other science/engineering	
East South Central, cont'd										
Tennessee										
Public inst's	amt	121,264	61,991	44,956	118	132	1,406	1,808	13,571	59,273
	no.	23	12	10	1	3	5	6	5	22
Private inst's	amt	132,373	80,465	70,413	0	115	4,661	3,966	1,310	51,908
	no.	44	10	4	0	3	4	6	2	44
West South Central										
Public inst's	amt	1,022,869	551,361	435,462	19,803	1,998	12,282	18,431	63,385	471,508
	no.	143	67	52	8	18	36	41	42	141
Private inst's	amt	280,054	169,699	155,387	603	167	3,528	3,091	6,923	110,355
	no.	88	33	25	1	5	13	17	9	88
Arkansas										
Public inst's	amt	82,532	31,318	19,437	194	163	267	1,882	9,375	51,214
	no.	16	6	5	1	3	5	5	3	16
Private inst's	amt	14,609	548	206	0	42	0	258	42	14,061
	no.	13	5	5	0	1	0	2	1	13
Louisiana										
Public inst's	amt	171,398	73,236	44,975	13,000	155	1,243	3,690	10,173	98,162
	no.	13	9	8	1	4	4	7	6	13
Private inst's	amt	83,389	58,636	55,443	603	0	1,223	1,093	274	24,753
	no.	11	4	3	1	0	3	3	1	11
Oklahoma										
Public inst's	amt	125,915	51,662	29,898	3,500	7	1,123	1,506	15,628	74,253
	no.	25	13	9	1	1	7	5	5	25
Private inst's	amt	18,461	1,471	1,070	0	19	19	325	38	16,990
	no.	15	5	2	0	1	2	3	1	15
Texas										
Public inst's	amt	643,024	395,145	341,152	3,109	1,673	9,649	11,353	28,209	247,879
	no.	89	39	30	5	10	20	24	28	87
Private inst's	amt	163,595	109,044	99,668	0	106	2,286	1,415	6,569	54,551
	no.	49	19	15	0	3	8	9	6	49
Mountain										
Public inst's	amt	835,279	555,709	469,215	21,294	535	13,179	13,234	38,252	279,570
	no.	99	52	33	6	13	23	24	29	96
Private inst's	amt	60,637	10,863	8,956	0	19	170	790	928	49,774
	no.	41	11	6	0	1	2	7	5	40
Arizona										
Public inst's	amt	183,010	125,108	103,319	10,123	210	2,786	3,042	5,628	57,902
	no.	20	8	4	2	2	3	5	4	19
Private inst's	amt	3,353	236	0	0	0	0	99	137	3,117
	no.	8	1	0	0	0	0	1	1	8
Colorado										
Public inst's	amt	231,285	160,635	142,044	210	195	6,530	3,434	8,222	70,650
	no.	25	13	6	1	5	4	5	9	25
Private inst's	amt	16,820	5,909	5,257	0	19	137	287	209	10,911
	no.	16	4	4	0	1	1	1	1	16
Idaho										
Public inst's	amt	43,445	18,473	10,424	3,787	27	116	441	3,678	24,972
	no.	6	5	3	1	2	2	3	3	6
Private inst's	amt	6,465	0	0	0	0	0	0	0	6,465
	no.	4	0	0	0	0	0	0	0	4
Montana										
Public inst's	amt	33,900	14,922	10,414	49	43	234	916	3,266	18,978
	no.	13	7	5	1	1	3	4	3	13
Private inst's	amt	7,021	666	0	0	0	0	315	351	6,355
	no.	7	3	0	0	0	0	3	2	7
Nevada										
Public inst's	amt	25,212	15,991	14,113	0	34	286	286	1,272	9,221
	no.	8	5	5	0	1	2	1	1	6
Private inst's	amt	96	0	0	0	0	0	0	0	96
	no.	1	0	0	0	0	0	0	0	1
New Mexico										
Public inst's	amt	124,952	85,186	73,972	0	18	1,103	2,564	7,529	39,766
	no.	11	7	6	0	1	3	3	5	11
Private inst's	amt	1,700	240	162	0	0	0	78	0	1,460
	no.	3	2	1	0	0	0	1	0	2

See explanatory material at end of table.

(Continued)

Table C-12. -- Federal obligations to universities and colleges and the number of recipient institutions by geographic division, State, type of control, and type of activity: fiscal year 1989

[Dollars in thousands]

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Geographic division, State, and type of control		Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Mountain, cont'd										
Utah										
Public inst's	amt	169,146	122,979	104,580	7,125	0	1,937	2,518	6,819	46,167
	no.	8	4	2	1	0	4	2	3	8
Private inst's	amt	25,182	3,812	3,537	0	0	33	11	231	21,370
	no.	2	1	1	0	0	1	1	1	2
Wyoming										
Public inst's	amt	24,329	12,415	10,349	0	8	107	33	1,838	11,914
	no.	8	3	2	0	1	2	1	1	8
Pacific										
Public inst's	amt	1,847,385	1,383,044	1,196,203	51,848	1,250	56,022	23,628	54,093	464,341
	no.	204	89	53	13	20	36	48	49	191
Private inst's	amt	621,753	495,258	440,421	22,831	543	20,431	4,251	6,781	126,495
	no.	149	42	31	4	12	14	18	10	144
Alaska										
Public inst's	amt	24,213	18,866	15,111	0	0	1,215	549	1,991	5,347
	no.	4	4	4	0	0	2	1	2	3
Private inst's	amt	632	0	0	0	0	0	0	0	632
	no.	3	0	0	0	0	0	0	0	3
California										
Public inst's	amt	1,201,679	911,771	825,357	4,169	1,124	40,854	13,697	26,570	289,908
	no.	135	54	31	7	16	22	24	30	126
Private inst's	amt	571,869	484,835	433,607	21,012	217	20,395	3,714	5,890	87,034
	no.	105	31	22	3	6	11	12	7	102
Hawaii										
Public inst's	amt	81,225	67,163	47,913	14,079	0	602	1,761	2,808	14,062
	no.	11	4	3	1	0	1	2	1	9
Private inst's	amt	3,528	0	0	0	0	0	0	0	3,528
	no.	3	0	0	0	0	0	0	0	3
Oregon										
Public inst's	amt	193,935	132,482	84,188	29,345	83	2,604	3,217	13,045	61,453
	no.	21	14	8	3	2	6	11	8	21
Private inst's	amt	20,238	6,542	5,983	0	82	0	341	136	13,696
	no.	22	4	3	0	2	0	4	1	21
Washington										
Public inst's	amt	346,333	252,762	223,634	4,255	43	10,747	4,404	9,679	93,571
	no.	33	13	7	2	2	3	8	8	32
Private inst's	amt	25,486	3,881	831	1,819	244	36	196	755	21,605
	no.	16	7	6	1	4	3	2	2	15
Outlying areas										
Public inst's	amt	96,515	34,734	18,754	0	0	810	4,188	10,982	61,781
	no.	19	12	10	0	0	4	7	8	19
Private inst's	amt	165,620	3,864	1,119	0	31	153	2,040	521	161,756
	no.	21	12	5	0	1	1	8	4	20
Canal Zone										
Guam										
Public inst's	amt	4,530	2,669	1,193	0	0	0	15	1,461	1,861
	no.	2	1	1	0	0	0	1	1	2
Puerto Rico										
Public inst's	amt	85,086	27,659	15,442	0	0	810	3,886	7,521	57,427
	no.	12	7	5	0	0	4	5	3	12
Private inst's	amt	165,620	3,864	1,119	0	31	153	2,040	521	161,756
	no.	21	12	5	0	1	1	8	4	20
American Samoa										
Public inst's	amt	921	660	290	0	0	0	0	370	261
	no.	1	1	1	0	0	0	0	1	1
Virgin Islands										
Public inst's	amt	3,040	2,083	1,052	0	0	0	287	744	957
	no.	1	1	1	0	0	0	1	1	1
Trust Territory Pac Isl										
Public inst's	amt	2,938	1,663	777	0	0	0	0	886	1,275
	no.	3	2	2	0	0	0	0	2	3

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-13. -- Percent distribution of Federal obligations to public and private universities and colleges by geographic division, State, type of control, and type of activity: fiscal year 1989

Geographic division, State, and type of control	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
United States, total									
Public inst's	60.8	58.7	57.7	71.5	54.5	51.0	68.4	65.9	64.6
Private inst's	39.2	41.3	42.3	28.5	45.5	49.0	31.6	34.1	35.4
New England, total									
Public inst's	25.1	19.8	19.0	12.2	20.5	8.5	34.1	68.6	45.4
Private inst's	74.9	80.2	81.0	87.8	79.5	91.5	65.9	31.4	54.6
Connecticut									
Public inst's	25.7	22.3	21.1	48.3	20.2	11.4	36.0	69.7	46.0
Private inst's	74.3	77.7	78.9	51.7	79.8	88.6	64.0	30.3	54.0
Maine									
Public inst's	78.1	95.3	95.9	00.0	28.5	100.0	91.7	99.5	70.9
Private inst's	21.9	4.7	4.1	00.0	71.5	0.0	8.3	0.5	29.1
Massachusetts									
Public inst's	16.3	11.3	11.4	0.0	11.7	3.8	16.0	49.9	39.9
Private inst's	83.7	88.7	88.6	100.0	88.3	96.2	84.0	50.1	60.1
New Hampshire									
Public inst's	35.7	37.7	35.0	00.0	00.0	35.3	16.5	87.8	30.2
Private inst's	64.3	62.3	65.0	00.0	00.0	64.7	83.5	12.2	69.8
Rhode Island									
Public inst's	38.4	34.1	33.4	0.0	00.0	0.0	53.8	64.8	47.9
Private inst's	61.6	65.9	66.6	100.0	00.0	100.0	46.2	35.2	52.1
Vermont									
Public inst's	78.5	97.0	99.0	100.0	64.8	100.0	93.3	79.0	50.0
Private inst's	21.5	3.0	1.0	0.0	35.2	0.0	6.7	21.0	50.0
Middle Atlantic, total									
Public inst's	39.7	31.9	31.8	19.4	20.4	20.6	48.3	41.7	55.2
Private inst's	60.3	68.1	68.2	80.6	79.6	79.4	51.7	58.3	44.8
New Jersey									
Public inst's	65.4	60.5	59.3	90.8	80.2	40.1	70.7	91.4	73.0
Private inst's	34.6	39.5	40.7	9.2	19.8	59.9	29.3	8.6	27.0
New York									
Public inst's	29.0	18.5	18.3	14.5	14.7	12.1	44.5	18.7	49.6
Private inst's	71.0	81.5	81.7	85.5	85.3	87.9	55.5	81.3	50.4
Pennsylvania									
Public inst's	52.1	48.5	48.4	13.3	12.9	29.6	50.9	84.0	60.1
Private inst's	47.9	51.5	51.6	86.7	87.1	70.4	49.1	16.0	39.9
East North Central, total									
Public inst's	73.3	75.2	74.2	81.9	55.0	65.6	84.3	93.6	70.6
Private inst's	26.7	24.8	25.8	18.1	45.0	34.4	15.7	6.4	29.4
Illinois									
Public inst's	56.8	51.1	48.9	52.5	72.1	25.1	73.0	86.7	66.2
Private inst's	43.2	48.9	51.1	47.5	27.9	74.9	27.0	13.3	33.8
Indiana									
Public inst's	76.8	90.7	90.4	58.5	10.9	88.9	96.8	100.0	56.5
Private inst's	23.2	9.3	9.6	41.5	89.1	11.1	3.2	0.0	43.5
Michigan									
Public inst's	89.8	99.3	99.5	100.0	58.4	100.0	96.6	99.5	76.3
Private inst's	10.2	0.7	0.5	0.0	41.6	0.0	3.4	0.5	23.7
Ohio									
Public inst's	64.9	62.6	61.2	100.0	62.6	48.7	75.4	90.5	68.0
Private inst's	35.1	37.4	38.8	0.0	37.4	51.3	24.6	9.5	32.0
Wisconsin									
Public inst's	86.4	88.9	87.9	100.0	84.1	92.6	90.8	99.0	83.0
Private inst's	13.6	11.1	12.1	0.0	15.9	7.4	9.2	1.0	17.0
West North Central, total									
Public inst's	73.9	77.7	74.7	99.0	55.1	57.9	72.7	97.5	69.3
Private inst's	26.1	22.3	25.3	1.0	44.9	42.1	27.3	2.5	30.7
Iowa									
Public inst's	83.3	98.8	99.3	100.0	83.4	99.3	94.2	94.9	63.7
Private inst's	16.7	1.2	0.7	0.0	16.6	0.7	5.8	5.1	36.3

See explanatory material at end of table.

(Continued)

Table C-13. -- Percent distribution of Federal obligations to public and private universities and colleges by geographic division, State, type of control, and type of activity: fiscal year 1989

(Page 2 of 4)

Geographic division, State, and type of control	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
West North Central, cont'd									
Kansas									
Public inst's	82.7	99.7	100.0	100.0	100.0	100.0	92.8	100.0	70.7
Private inst's	17.3	0.3	0.0	0.0	0.0	0.0	7.2	0.0	29.3
Minnesota									
Public inst's	89.2	98.7	99.2	100.0	31.4	99.8	86.6	96.6	73.4
Private inst's	10.8	1.3	0.8	0.0	68.6	0.2	13.4	3.4	26.6
Missouri									
Public inst's	41.3	28.4	23.6	0.0	51.4	12.9	23.3	96.5	63.0
Private inst's	58.7	71.6	76.4	100.0	48.6	87.1	76.7	3.5	37.0
Nebraska									
Public inst's	81.4	92.9	91.0	100.0	0.0	100.0	96.0	100.0	72.0
Private inst's	18.6	7.1	9.0	0.0	100.0	0.0	4.0	0.0	28.0
North Dakota									
Public inst's	90.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	84.1
Private inst's	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9
South Dakota									
Public inst's	76.3	95.2	93.8	100.0	89.8	100.0	100.0	97.4	69.6
Private inst's	23.7	4.8	6.2	0.0	10.2	0.0	0.0	2.6	30.4
South Atlantic, total									
Public inst's	48.7	47.9	49.1	75.8	67.3	50.6	58.6	36.7	50.3
Private inst's	51.3	52.1	50.9	24.2	32.7	49.4	41.4	63.3	49.7
Delaware									
Public inst's	94.5	99.6	100.0	00.0	00.0	100.0	100.0	97.0	84.8
Private inst's	5.5	0.4	0.0	00.0	00.0	0.0	0.0	3.0	15.2
District of Columbia									
Public inst's	1.8	4.2	1.5	00.0	43.0	27.5	9.6	26.7	0.9
Private inst's	98.2	95.8	98.5	00.0	57.0	72.5	90.4	73.3	99.1
Florida									
Public inst's	68.7	69.8	68.0	59.5	75.9	64.1	74.6	95.5	67.2
Private inst's	31.3	30.2	32.0	40.5	24.1	35.9	25.4	4.5	32.8
Georgia									
Public inst's	63.3	69.1	66.1	57.4	89.4	62.9	37.7	99.8	50.7
Private inst's	36.7	30.9	33.9	42.6	10.6	37.1	62.3	0.2	49.3
Maryland									
Public inst's	22.5	16.4	19.9	5.6	12.0	15.2	46.5	6.4	79.9
Private inst's	77.5	83.6	80.1	94.4	88.0	84.8	53.5	93.6	20.1
North Carolina									
Public inst's	56.7	55.5	52.7	0.0	63.6	50.6	68.2	94.4	59.6
Private inst's	43.3	44.5	47.3	100.0	36.4	49.4	31.8	5.6	40.4
South Carolina									
Public inst's	80.9	98.2	99.1	100.0	63.5	93.4	70.5	100.0	64.7
Private inst's	19.1	1.8	0.9	0.0	36.5	6.6	29.5	0.0	35.3
Virginia									
Public inst's	85.7	94.0	93.7	100.0	55.8	95.0	86.2	99.0	70.7
Private inst's	14.3	6.0	6.3	0.0	44.2	5.0	13.8	1.0	29.3
West Virginia									
Public inst's	86.8	97.5	98.6	96.2	100.0	100.0	100.0	96.4	79.0
Private inst's	13.2	2.5	1.4	3.8	0.0	0.0	0.0	3.6	21.0
East South Central, total									
Public inst's	74.0	77.3	76.1	100.0	68.2	55.9	55.4	94.1	70.8
Private inst's	26.0	22.7	23.9	0.0	31.8	44.1	44.6	5.9	29.2
Alabama									
Public inst's	85.6	94.8	97.1	100.0	89.5	83.6	65.3	86.5	73.9
Private inst's	14.4	5.2	2.9	0.0	10.5	16.4	34.7	13.5	26.1
Kentucky									
Public inst's	84.1	99.3	99.2	00.0	100.0	100.0	95.6	100.0	75.9
Private inst's	15.9	0.7	0.8	00.0	0.0	0.0	4.4	0.0	24.1

See explanatory material at end of table.

(Continued)

Table C-13. -- Percent distribution of Federal obligations to public and private universities and colleges by geographic division, State, type of control, and type of activity: fiscal year 1989

(Page 3 of 4)

Geographic division, State, and type of control	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
East South Central, cont'd									
Mississippi									
Public inst's	87.4	98.1	99.8	100.0	16.8	85.6	72.6	100.0	81.6
Private inst's	12.6	1.9	0.2	0.0	83.2	14.4	27.4	0.0	18.4
Tennessee									
Public inst's	47.8	43.5	39.0	100.0	53.4	23.2	31.3	91.2	53.3
Private inst's	52.2	56.5	61.0	0.0	46.6	76.8	68.7	8.8	46.7
West South Central, total									
Public inst's	78.5	76.5	73.7	97.0	92.3	77.7	85.6	90.2	81.0
Private inst's	21.5	23.5	26.3	3.0	7.7	22.3	14.4	9.8	19.0
Arkansas									
Public inst's	85.0	98.3	99.0	100.0	79.5	100.0	87.9	99.6	78.4
Private inst's	15.0	1.7	1.0	0.0	20.5	0.0	12.1	0.4	21.6
Louisiana									
Public inst's	67.3	55.5	44.8	95.6	100.0	50.4	77.1	97.4	79.9
Private inst's	32.7	44.5	55.2	4.4	0.0	49.6	22.9	2.6	20.1
Oklahoma									
Public inst's	87.2	97.2	96.5	100.0	26.9	98.3	82.2	99.8	81.4
Private inst's	12.8	2.8	3.5	0.0	73.1	1.7	17.8	0.2	18.6
Texas									
Public inst's	79.7	78.4	77.6	100.0	94.0	80.8	88.9	81.1	82.0
Private inst's	20.3	21.6	22.4	0.0	6.0	19.2	11.1	18.9	18.0
Mountain, total									
Public inst's	93.2	98.1	98.1	100.0	96.6	98.7	94.4	97.6	84.9
Private inst's	6.8	1.9	1.9	0.0	3.4	1.3	5.6	2.4	15.1
Arizona									
Public inst's	98.2	99.8	100.0	100.0	100.0	100.0	96.8	97.6	94.9
Private inst's	1.8	0.2	0.0	0.0	0.0	0.0	3.2	2.4	5.1
Colorado									
Public inst's	93.2	96.4	96.4	100.0	91.1	97.9	92.3	97.5	86.6
Private inst's	6.8	3.6	3.6	0.0	8.9	2.1	7.7	2.5	13.4
Idaho									
Public inst's	87.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	79.4
Private inst's	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
Montana									
Public inst's	82.8	95.7	100.0	100.0	100.0	100.0	74.4	90.3	74.9
Private inst's	17.2	4.3	0.0	0.0	0.0	0.0	25.6	9.7	25.1
Nevada									
Public inst's	99.6	100.0	100.0	00.0	100.0	100.0	100.0	100.0	99.0
Private inst's	0.4	0.0	0.0	00.0	0.0	0.0	0.0	0.0	1.0
New Mexico									
Public inst's	98.6	99.7	99.8	00.0	100.0	100.0	97.0	100.0	96.4
Private inst's	1.4	0.3	0.2	00.0	0.0	0.0	3.0	0.0	3.6
Utah									
Public inst's	87.0	97.0	96.7	100.0	00.0	98.3	99.6	96.7	68.4
Private inst's	13.0	3.0	3.3	0.0	00.0	1.7	0.4	3.3	31.6
Wyoming									
Public inst's	100.0	100.0	100.0	00.0	100.0	100.0	100.0	100.0	100.0
Pacific, total									
Public inst's	74.8	73.6	73.1	69.4	69.7	73.3	84.8	88.9	78.6
Private inst's	25.2	26.4	26.9	30.6	30.3	26.7	15.2	11.1	21.4
Alaska									
Public inst's	97.4	100.0	100.0	00.0	00.0	100.0	100.0	100.0	89.4
Private inst's	2.6	0.0	0.0	00.0	00.0	0.0	0.0	0.0	10.6
California									
Public inst's	67.8	65.3	65.6	16.6	83.8	66.7	78.7	81.8	76.9
Private inst's	32.2	34.7	34.4	83.4	16.2	33.3	21.3	18.2	23.1
Hawaii									
Public inst's	95.8	100.0	100.0	100.0	00.0	100.0	100.0	100.0	79.9
Private inst's	4.2	0.0	0.0	0.0	00.0	0.0	0.0	0.0	20.1

See explanatory material at end of table.

(Continued)

Table C-13. -- Percent distribution of Federal obligations to public and private universities and colleges by geographic division, State, type of control, and type of activity: fiscal year 1989

(Page 4 of 4)

Geographic division, State, and type of control	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Pacific, cont'd									
Oregon									
Public inst's	90.6	95.3	93.4	100.0	50.3	100.0	90.4	99.0	81.8
Private inst's	9.4	4.7	6.6	0.0	49.7	0.0	9.6	1.0	18.2
Washington									
Public inst's	93.1	98.5	99.6	70.0	15.0	99.7	95.7	92.8	81.2
Private inst's	6.9	1.5	0.4	30.0	85.0	0.3	4.3	7.2	18.8
Outlying areas, total									
Public inst's	36.8	90.0	94.4	00.0	0.0	84.1	67.2	95.5	27.6
Private inst's	63.2	10.0	5.6	00.0	100.0	15.9	32.8	4.5	72.4
Guam									
Public inst's	100.0	100.0	100.0	00.0	00.0	00.0	100.0	100.0	100.0
Puerto Rico									
Public inst's	33.9	87.7	93.2	00.0	0.0	84.1	65.6	93.5	26.2
Private inst's	66.1	12.3	6.8	00.0	100.0	15.9	34.4	6.5	73.8
American Samoa									
Public inst's	100.0	100.0	100.0	00.0	00.0	00.0	00.0	100.0	100.0
Virgin Islands									
Public inst's	100.0	100.0	100.0	00.0	00.0	00.0	100.0	100.0	100.0
Trust Territory Pac Isl									
Public inst's	100.0	100.0	100.0	00.0	00.0	00.0	00.0	100.0	100.0

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-14. — Federal obligations to the 100 public universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

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Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	9,518,074	678,193	73,360	676,145	3,589,133	337,455	66,342	2,851,584	58,401	312,823	811,062	63,576
1	University of Washington	246,883	2,257	1,903	27,754	20,345	6,825	1,064	152,618	854	4,049	28,231	983
2	University of Minnesota	203,183	16,339	30	32,451	25,743	5,202	1,159	99,035	671	2,675	19,810	68
3	Univ of Cal Los Angeles	200,090	160	53	11,495	16,385	17,899	540	127,475	75	6,156	19,764	88
4	University of Michigan	198,199	1,433	3,153	11,378	15,731	8,445	3,687	118,120	0	12,043	21,762	2,447
5	Univ of Cal San Diego	184,633	470	2,897	29,104	6,484	3,399	0	98,038	291	12,067	31,883	0
6	Univ of Wis-Madison	178,913	16,052	125	8,902	4,448	14,376	610	95,344	272	9,452	28,355	977
7	Univ of Cal San Francisco	177,273	0	0	2,706	8	3,456	175	167,047	0	1,283	2,537	61
8	Pennsylvania State Univ	166,581	19,669	425	51,110	31,597	4,417	656	29,060	5,670	8,406	13,928	1,643
9	Univ of Cal Berkeley	164,358	8,872	749	12,701	25,210	4,270	412	45,346	446	24,578	39,988	1,786
10	University of Colorado	130,430	0	2,337	6,438	16,923	4,168	508	65,791	667	13,431	20,114	53
	Total 1st 10 institutions	1,850,543	65,252	11,672	194,039	162,874	72,457	8,811	997,874	8,946	94,140	226,372	8,106
11	Univ of Ill Urbana	120,910	18,434	117	18,997	417	11,714	1,[illegible]5	18,786	431	3,626	44,172	2,570
12	University of Pittsburgh	114,798	100	163	4,202	18,810	2,002	[illegible]3	79,652	0	1,269	7,487	0
13	Univ of NC at Chapel Hill	105,873	240	205	3,605	0	877	[illegible]9	90,392	0	628	7,347	0
14	Ohio State University	105,318	19,121	724	4,945	17,129	3,440	[illegible]38	33,560	402	5,395	12,744	7,420
15	University of Arizona	104,241	6,620	267	8,575	12,578	1,741	599	43,347	1,281	16,150	12,023	1,060
16	University of Iowa	94,237	102	126	2,694	10,539	431	598	63,936	0	12,428	3,383	0
17	Purdue University	92,160	16,867	0	8,194	17,141	5,017	575	19,987	459	3,231	16,877	3,812
18	University of Massachuset	92,132	6,453	118	11,894	16,822	1,530	323	40,819	208	1,303	12,662	0
19	Michigan State University	87,914	21,619	185	1,620	18,115	3,777	461	19,543	200	535	19,452	2,387
20	Univ of Texas at Austin	87,717	262	0	33,073	1,219	16,367	362	13,671	458	6,633	14,383	1,289
	Total 1st 20 institutions	2,855,843	155,090	13,577	291,838	275,644	119,353	17,505	1,421,567	12,385	145,338	376,902	26,644
21	University of Florida	85,812	14,405	1,945	6,939	13,516	3,074	825	33,228	769	1,460	8,548	1,103
22	Univ Alabama Birmingham	85,566	100	15	1,279	6,127	0	0	72,297	0	2,659	2,459	630
23	Louisiana State Univ	85,408	11,335	432	2,385	21,865	15,837	948	26,111	484	685	5,326	0
24	University of Utah	84,810	180	0	11,429	11,052	4,313	134	48,010	1,056	796	7,555	285
25	Indiana University	83,969	483	75	725	22,629	2,887	312	39,105	100	651	16,997	5
26	Univ of MD College Park	78,765	8,110	897	11,801	11,174	6,810	3,442	6,130	0	12,964	16,332	1,105
27	Texas A & M University	77,655	28,772	2,230	6,735	10,060	4,864	253	8,164	393	4,154	11,707	323
28	Univ of Cal Davis	76,787	3,502	111	1,803	10,552	5,587	304	44,579	362	1,466	6,561	1,960
29	Georgia Institute of Tech	76,724	15	402	54,278	3,266	1,264	448	4,030	288	5,511	6,224	998
30	University of Georgia	64,993	17,659	1,065	632	6,046	16,614	1,211	12,389	443	623	7,036	1,275
	Total 1st 30 institutions	3,656,332	239,651	20,749	389,844	391,931	180,603	25,382	1,715,610	16,280	176,307	465,647	34,328
31	N C State Univ at Raleigh	64,808	22,323	1,340	8,303	6,694	1,671	2,851	4,828	391	3,647	9,019	3,741
32	Oregon State University	64,527	19,864	2,508	6,279	8,727	1,271	1,416	8,088	1,603	2,078	11,799	894
33	University of Virginia	63,319	48	491	4,271	6,787	2,232	298	38,630	9	3,313	7,032	208
34	Univ of Hawaii-Manoa	63,215	5,773	220	16,666	5,658	1,689	0	12,858	0	6,095	12,192	2,064
35	University of Kentucky	62,486	16,133	2,086	900	20,503	1,935	210	16,803	470	437	2,859	150
36	Utah State University	61,506	4,891	0	31,950	15,908	1,061	845	2,678	901	824	1,972	476
37	Univ of Ill Chicago	61,391	65	122	4,942	10,990	762	394	38,558	0	258	5,300	0
38	Rutgers the St Univ of NJ	61,238	8,117	132	2,838	17,476	637	1,103	16,704	156	187	13,412	476
39	New Mexico State Univ	58,424	5,512	54	20,485	7,754	1,136	90	1,478	394	19,487	2,034	0
40	Univ of Cal Irvine	57,791	296	57	4,386	7,159	3,834	320	32,749	0	1,249	7,741	0
	Total 1st 40 institutions	4,275,037	322,673	27,759	490,864	499,587	196,831	32,909	1,888,984	20,204	213,882	539,007	42,337
41	University of Cincinnati	56,966	203	260	2,639	10,147	516	1,258	37,665	0	1,969	2,309	0
42	Oregon Hlth Sciences Univ	55,822	0	0	336	452	22,000	0	32,787	0	70	177	0
43	U Tex Sw Med Ctr - Dallas	55,192	0	0	190	550	0	0	52,840	0	1,080	532	0
44	Iowa St U of Sci & Tech	54,627	24,828	2,684	1,140	14,309	847	259	4,425	540	858	4,028	709
45	Virginia Commonwlth Univ	53,290	0	0	1,405	8,313	187	180	41,878	0	477	850	0
46	University of Connecticut	52,304	3,912	3,346	3,079	7,525	477	586	28,873	150	172	4,133	51
47	Colorado State University	51,652	10,016	0	4,684	8,591	1,149	905	15,217	608	1,430	8,328	724
48	VA Polytech Inst & St U	51,457	14,320	150	6,363	4,889	7,339	1,143	2,783	2,369	4,088	7,489	524
49	U P R - Regional Col Admn	50,162	0	0	0	49,878	0	0	0	0	0	284	0
50	Univ of Cal Santa Barbara	49,645	180	122	13,247	8,452	3,413	406	4,223	1,397	1,162	15,989	1,054
	Total 1st 50 institutions	4,806,154	376,132	34,321	523,947	612,693	232,759	37,646	2,109,675	25,268	225,188	583,126	45,399

See explanatory material at end of table.

(Continued)

Table C-14. -- Federal obligations to the 100 public universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	SUNY at Stony Brook	47,247	0	0	356	1,695	4,912	0	26,478	54	1,194	12,558	0
52	University of New Mexico	44,616	40	53	11,626	15,323	811	0	11,738	0	1,440	3,585	0
53	SUNY at Buffalo All Cmps	44,491	0	0	1,909	2,539	557	0	28,819	0	1,273	9,394	0
54	Arizona State University	44,389	0	20	2,878	15,740	11,302	231	4,431	0	1,821	7,715	251
55	Univ of Missouri Columbia	43,503	15,670	56	560	8,200	802	224	13,320	299	223	2,231	1,918
56	Univ of VT & St Agric Col	41,379	6,749	0	173	7,030	314	238	24,939	150	0	1,786	0
57	Univ of MD Balt Prof Sch	40,554	0	0	2,520	1,227	0	10	36,140	0	0	657	0
58	West Virginia University	39,885	10,562	200	704	9,264	10,071	0	6,027	2,136	242	661	18
59	Temple University	39,562	230	0	675	14,757	610	23	21,934	0	45	1,288	0
60	U Tennessee Knoxville	39,557	15,153	0	1,848	8,999	4,093	0	4,833	150	992	3,489	0
Total 1st	60 institutions	5,231,337	424,536	34,650	547,196	697,467	266,231	38,372	2,288,334	28,057	232,418	626,490	47,586
61	Wayne State University	39,107	0	0	1,314	8,461	283	0	26,358	105	123	2,409	54
62	Univ of Med & Dent of N J	38,932	215	0	914	1,109	185	359	35,412	0	181	557	0
63	University of Kansas	37,118	23	182	1,139	12,614	382	502	18,004	48	982	3,107	135
64	Washington State Univ	37,068	14,397	70	1,127	9,125	1,382	479	6,613	150	305	3,420	0
65	Oklahoma State University	37,014	12,163	250	3,484	12,973	404	106	720	410	3,465	2,939	100
66	U Tex Hlth Sci Ctr S Anto	36,954	0	0	340	777	0	0	35,116	0	44	677	0
67	Florida State University	36,561	0	395	1,422	7,857	13,760	491	4,157	0	1,352	6,586	541
68	Univ of Nebraska-Lincoln	34,197	11,439	410	1,161	11,458	412	12	3,081	180	691	2,788	2,565
69	U Tex Hlth Sci Ctr Houstn	33,120	0	0	0	326	73	186	31,872	0	563	100	0
70	University of Oklahoma	32,907	0	70	1,170	10,303	5,788	79	11,864	138	340	3,102	53
Total 1st	70 institutions	5,594,315	462,773	36,027	559,267	772,470	288,900	40,586	2,461,531	29,088	240,464	652,175	51,034
71	Kans St U - Ag & App Sci	32,332	12,805	0	508	9,750	1,964	2,120	2,270	150	386	2,115	264
72	Mississippi State Univ	31,186	16,610	100	430	9,063	2,750	0	331	335	854	585	128
73	Auburn University	30,996	13,466	99	3,440	6,928	1,058	439	309	799	2,181	990	1,287
74	U TX MD Anderson Cncr Ctr	29,202	0	0	0	0	0	0	28,941	0	0	261	0
75	Southern U & A&M College	26,311	3,107	0	210	21,004	14	0	794	0	827	355	0
76	U Tex Med Brnch Galveston	26,199	0	0	669	459	0	185	24,383	0	414	89	0
77	Univ of South Carolina	24,794	0	1,500	715	8,037	683	100	9,040	94	58	4,567	0
78	University of Oregon Main	24,480	2	37	1,794	7,922	973	0	8,989	0	267	4,496	0
79	U of Houston Univ Park	24,328	30	0	3,315	9,388	677	97	4,517	0	3,251	3,053	0
80	Univ of Rhode Island	22,860	2,436	1,241	2,930	4,752	0	774	3,102	390	33	6,821	381
Total 1st	80 institutions	5,867,003	511,229	39,004	573,278	849,773	297,019	44,301	2,544,207	30,856	248,735	675,507	53,094
81	Clemson University	22,751	11,588	33	3,990	3,924	601	52	439	172	739	1,133	80
82	Med Univ of So Carolina	22,555	0	0	0	619	8,000	0	13,260	0	0	676	0
83	San Diego State Univ	22,530	0	47	2,771	9,256	1,510	0	5,810	100	249	2,787	0
84	Southern Ill U-Carbondale	22,186	436	0	925	15,942	69	0	3,537	338	157	782	0
85	University of Idaho	21,899	6,270	824	3,112	5,337	234	188	881	2,069	1,692	1,184	108
86	Univ of South Florida	21,344	980	210	764	8,853	150	185	7,908	0	591	1,703	0
87	SUNY at Albany	21,265	0	0	4,065	1,838	811	3,303	6,774	0	477	3,997	0
88	University of Delaware	21,093	2,813	1,291	2,836	4,345	585	265	3,214	150	619	4,975	0
89	University of N Dakota	20,860	5,284	31	0	9,269	1,950	553	3,041	377	111	244	0
90	Univ Alabama Huntsville	20,629	0	0	6,708	1,296	0	0	385	0	11,721	519	0
Total 1st	90 institutions	6,084,115	538,600	41,440	598,449	910,452	310,929	48,847	2,589,456	34,062	265,091	693,507	53,282
91	University of Mississippi	20,146	1,818	0	2,531	4,202	120	0	9,104	1,338	52	981	0
92	Miami-Dade Cmty College	19,222	0	0	0	19,210	0	0	0	0	0	0	12
93	University of Wyoming	18,917	3,462	19	1,541	6,502	605	185	1,491	674	188	4,250	0
94	U Tenn - Memphis	18,853	2	0	269	224	0	0	18,179	0	0	179	0
95	Univ of Ark Fayetteville	18,720	6,355	0	106	9,097	1,177	374	506	14	119	850	122
96	Univ of Wis-Milwaukee	18,645	351	0	941	11,713	194	274	3,003	0	319	1,765	85
97	Montana State University	18,598	5,112	100	259	7,600	44	523	2,142	181	126	2,085	426
98	Jackson State University	18,189	0	25	602	13,461	1,381	52	1,472	243	470	420	63
99	North Dakota State Univ	18,072	9,566	85	307	6,633	0	0	443	150	0	284	604
100	Texas Tech University	18,022	414	50	2,369	8,147	167	514	5,084	36	34	1,207	0
Total 1st	100 institutions	6,271,499	565,680	41,719	607,374	997,241	314,617	50,769	2,630,880	36,698	266,399	705,528	54,594

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-15. -- Federal obligations to the 100 private universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	6,139,535	50,375	8,000	811,587	1,944,862	228,063	19,475	2,353,050	9,358	149,118	525,169	40,478
1	Johns Hopkins University	612,128	49	106	378,658	6,576	1,851	324	198,589	0	4,489	10,634	10,852
2	Stanford University	275,781	854	48	39,635	8,432	27,017	3,368	122,797	119	41,807	31,704	0
3	Mass Inst of Technology	236,632	0	50	42,576	6,157	82,559	381	56,893	485	19,433	45,256	2,842
4	Cornell University	192,077	21,113	100	15,153	11,022	4,169	835	71,842	346	5,329	61,612	556
5	Columbia Univ Main Div	178,910	0	0	11,464	12,376	6,773	53	111,869	908	3,944	29,362	2,161
6	Howard University	175,594	201	0	707	164,496	395	427	6,830	0	834	1,704	0
7	Harvard University	171,316	0	0	7,522	8,727	4,642	848	118,067	77	4,475	20,852	6,106
8	Yale University	168,338	47	30	8,164	5,517	10,020	327	132,148	0	940	11,145	0
9	Univ of Pennsylvania	158,337	1,259	0	8,535	11,793	6,860	12	112,829	0	459	16,152	432
10	Univ of Southern Cal	134,061	0	0	33,945	13,044	1,532	72	67,835	175	5,290	11,618	550
	Total 1st 10 institutions	2,303,174	23,523	334	546,359	248,140	125,818	6,647	999,699	2,110	87,000	240,045	23,499
11	Duke University	122,679	276	0	6,031	3,208	3,824	2,109	95,803	0	763	10,665	0
12	Washington University	120,764	150	0	1,559	5,577	1,485	75	103,282	0	2,882	5,754	0
13	University of Rochester	111,435	0	0	6,720	3,755	17,217	0	74,481	0	195	9,067	0
14	University of Chicago	105,402	284	67	2,346	5,092	4,420	24	68,196	0	6,427	18,546	0
15	New York University	96,278	2	0	4,184	11,808	4,408	497	65,530	0	575	5,449	3,825
16	Case Western Reserve Univ	79,997	0	56	3,602	3,618	510	0	59,774	0	6,744	5,013	680
17	Yeshiva University	77,490	0	0	176	1,835	0	0	75,082	0	0	397	0
18	California Inst of Tech	76,974	0	86	14,425	0	10,032	274	15,110	948	7,706	28,391	0
19	Boston University	75,686	0	39	6,079	9,997	2,232	146	49,580	13	1,555	6,045	0
20	University of Miami	75,581	0	46	4,798	9,554	293	0	51,572	0	1,266	7,852	0
	Total 1st 20 institutions	3,245,260	24,235	628	596,279	302,584	170,239	9,772	1,658,109	3,071	115,113	337,226	28,004
21	Baylor Col of Medicine	74,640	7,040	0	1,047	2,061	341	0	63,466	0	667	18	0
22	Vanderbilt University	74,100	45	0	1,390	5,270	542	0	59,974	0	2,670	4,209	0
23	Northwestern University	72,694	60	91	4,308	9,463	3,900	0	39,194	47	1,414	14,107	90
24	Woods Hole Ocngrphic Inst	69,486	0	3,481	38,365	0	428	0	443	0	222	26,547	0
25	Carnegie-Mellon Univ	64,642	0	27	26,666	4,496	4,050	340	7,607	446	3,697	17,313	0
26	Emory University	55,671	0	0	1,239	3,677	99	0	48,694	0	285	1,677	0
27	Princeton University	54,695	0	30	9,175	4,268	5,436	265	14,267	360	3,587	17,307	0
28	Tulane University	54,516	0	0	26,344	5,084	0	90	20,656	0	102	685	1,555
29	Inter Am U Pr-San German	51,225	0	0	0	51,134	0	0	33	0	0	58	0
30	Gallaudet University	49,667	0	0	0	48,464	0	0	817	0	44	342	0
	Total 1st 30 institutions	3,866,596	31,380	4,257	704,813	436,501	185,035	10,467	1,913,260	3,924	127,821	419,489	29,649
31	Mt Sinai Sch of Medicine	45,244	0	0	0	526	256	144	43,690	0	312	316	0
32	Tufts University	42,957	11,345	0	382	2,814	1,039	3,650	21,491	0	5	1,775	456
33	Rochester Inst Technology	40,318	0	0	0	39,548	15	0	316	0	0	439	0
34	Brown University	40,250	0	113	7,322	5,051	2,640	0	15,332	216	1,391	8,185	0
35	Rockefeller University	37,014	0	0	0	0	1,245	357	34,413	0	0	999	0
36	Georgetown University	35,487	367	38	891	5,658	300	442	24,916	0	0	1,325	1,550
37	Puerto Rico Jr Col	34,912	0	0	0	34,912	0	0	0	0	0	0	0
38	Syracuse University	32,740	37	0	8,751	11,305	852	215	5,370	125	189	3,417	2,459
39	Wake Forest University	32,460	0	0	0	1,432	40	0	30,080	0	317	591	0
40	George Washington Univ	29,073	6	84	1,961	4,358	718	0	17,378	0	2,930	1,530	108
	Total 1st 40 institutions	4,237,051	43,135	4,492	724,120	542,105	192,140	15,275	2,106,246	4,265	132,965	438,086	34,222
41	Dartmouth College	28,398	306	0	1,786	3,029	557	162	19,759	10	367	2,422	0
42	Catholic Univ of P R	27,202	0	0	0	26,795	0	0	407	0	0	0	0
43	University of Dayton	26,128	0	0	22,119	3,444	0	200	0	0	67	235	63
44	Brigham Young University	24,100	150	0	452	20,381	170	26	325	99	0	2,497	0
45	Thomas Jefferson Univ	23,169	0	0	1,002	1,542	0	0	20,385	0	0	240	0
46	Northeastern University	22,130	0	0	2,639	11,504	402	8	3,985	6	54	3,532	0
47	Rensselaer Polytech Inst	22,116	125	1,575	6,306	0	2,570	77	1,937	0	2,697	6,552	277
48	Medical College of Wis	20,918	345	0	0	543	0	0	19,484	0	193	262	91
49	Rice University	20,561	147	30	2,059	1,459	1,562	816	2,340	0	1,282	10,866	0
50	Brandeis University	19,130	0	84	195	1,776	709	0	12,617	0	357	3,392	0
	Total 1st 50 institutions	4,470,903	44,208	6,181	760,678	612,578	198,110	16,564	2,187,485	4,380	137,982	468,084	34,653

See explanatory material at end of table.

(Continued)

Table C-15. -- Federal obligations to the 100 private universities and colleges receiving the largest amounts by agency: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Meharry Medical College	17,545	0	0	503	2,925	234	145	11,871	0	0	1,867	0
52	St Louis University	17,520	0	0	201	4,842	0	0	11,369	184	55	759	110
53	Xavier University of LA	17,477	0	100	7,327	5,729	0	157	3,685	0	479	0	0
54	Tuskegee University	16,746	3,291	0	878	7,169	150	0	4,717	0	491	50	0
55	University of Notre Dame	16,553	0	0	1,227	4,022	3,799	170	3,029	0	194	4,112	0
56	Loma Linda University	16,223	0	0	0	2,268	11,100	0	2,832	0	0	23	0
57	ITT Tech Inst-Indianapol	15,763	0	0	0	15,763	0	0	0	0	0	0	0
58	Drexel University	15,613	100	50	1,620	3,282	5,960	428	1,359	30	651	2,133	0
59	Loyola Univ - Chicago	12,281	0	0	315	5,384	0	47	5,983	0	0	552	0
60	Lehigh University	12,112	0	247	2,638	1,584	1,633	106	879	0	278	4,747	0
	Total 1st 60 institutions	4,628,736	47,599	6,578	775,387	665,546	220,986	17,617	2,233,209	4,594	140,130	482,327	34,763
61	Morehouse School of Med	11,942	0	0	0	5,061	0	230	6,647	0	0	4	0
62	Univ of the Sacred Heart	11,100	0	0	0	11,061	0	0	0	0	0	39	0
63	The Medical Col of Penna	11,026	0	0	311	297	0	0	10,362	0	0	56	0
64	New York Medical College	10,921	0	0	0	269	73	0	10,409	0	10	160	0
65	Hahnemann University	10,418	0	0	380	1,027	0	0	8,964	0	0	47	0
66	Hampton University	10,193	0	100	1,324	5,277	40	24	1,293	0	1,237	893	5
67	Southern Methodist Univ	9,987	0	0	5,841	2,387	0	0	797	0	221	741	0
68	Boston College	9,847	0	0	1,425	4,740	197	0	1,989	0	43	1,233	220
69	Mercer University	9,682	0	0	5,825	3,299	0	0	374	0	0	184	0
70	American Univ Puerto Rico	9,420	0	0	0	9,420	0	0	0	0	0	0	0
	Total 1st 70 institutions	4,733,272	47,599	6,678	790,493	708,384	221,296	17,871	2,274,044	4,594	141,641	485,684	34,988
71	Atlanta University	8,827	0	80	1,762	3,044	467	0	1,745	84	109	1,536	0
72	Marquette University	8,689	256	0	0	6,369	75	0	1,189	0	57	743	0
73	Long Island University	8,632	0	0	107	8,372	0	0	110	0	0	43	0
74	St Mary of the Plains Col	8,504	0	0	0	8,504	0	0	0	0	0	0	0
75	University of Denver	8,158	0	0	1,068	2,887	283	50	1,598	0	953	1,319	0
76	Albany Medical College	7,786	0	0	0	251	0	0	7,479	0	0	56	0
77	Illinois Inst of Tech	7,362	0	0	297	2,376	379	174	3,145	0	120	871	0
78	Eastern VA Medical School	7,180	0	0	0	275	0	0	3,324	0	111	42	3,428
79	Creighton University	7,143	0	0	0	3,823	0	0	3,308	0	0	12	0
80	St John's University (NY)	7,111	0	0	0	6,425	0	0	682	0	0	4	0
	Total 1st 80 institutions	4,812,664	47,855	6,758	793,727	750,710	222,500	18,095	2,296,624	4,678	142,991	490,310	38,416
81	Shaw University	6,934	0	0	0	6,785	0	0	149	0	0	0	0
82	Polytechnic University	6,879	0	30	2,988	2,107	186	0	149	0	242	1,177	0
83	Catholic Univ of America	6,700	0	233	1,889	1,418	282	100	1,416	0	688	663	11
84	Bayamon Central Univ	6,639	0	0	0	6,639	0	0	0	0	0	0	0
85	Fordham University	6,069	0	0	0	3,807	0	0	2,168	0	15	79	0
86	Florida Memorial College	6,052	0	0	0	6,052	0	0	0	0	0	0	0
87	American University	5,884	0	0	804	2,783	0	14	409	0	45	770	1,059
88	Clarkson University	5,833	0	0	841	1,937	368	0	93	0	1,393	1,201	0
89	Caribbean University Col	5,707	0	0	0	5,707	0	0	0	0	0	0	0
90	Touro College	5,703	0	0	0	5,703	0	0	0	0	0	0	0
	Total 1st 90 institutions	4,875,064	47,855	7,021	800,249	793,648	223,336	18,209	2,301,008	4,678	145,374	494,200	39,486
91	Rust College	5,609	0	0	0	5,380	14	0	215	0	0	0	0
92	Bethune Cookman College	5,478	0	0	0	4,785	0	0	601	0	0	92	0
93	Oregon Grad Inst Sci Tech	5,412	472	0	422	0	1,997	0	633	175	663	882	168
94	Pace University	5,321	0	0	0	4,641	0	0	662	0	0	18	0
95	Baylor University	5,307	4	0	0	3,972	0	40	811	0	69	411	0
96	Gonzaga University	5,219	1,819	0	0	3,214	0	0	0	0	0	186	0
97	College of New Rochelle	5,152	0	0	0	4,714	0	0	67	0	0	371	0
98	St Augustines College	5,095	0	0	90	4,919	0	0	36	0	0	50	0
99	Charles R. Drew MedaSci	4,966	0	0	0	0	0	0	4,966	0	0	0	0
100	University of the Pacific	4,950	0	0	40	3,921	0	0	784	0	11	194	0
	Total 1st 100 institutions	4,927,573	50,150	7,021	800,801	829,194	225,347	18,249	2,309,783	4,853	146,117	496,404	39,654

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
United States, total	15,657,609	10,073,144	8,516,849	237,010	16,911	340,985	200,605	760,784	5,584,465
Alabama, total	262,716	146,608	123,373	1,098	105	4,695	4,071	13,266	116,108
Ala Avn and Tech College	420	0	0	0	0	0	0	0	420
Alabama A & M University	10,904	6,629	4,477	0	20	247	322	1,563	4,275
Alabama State University	7,813	683	74	0	0	167	442	0	7,130
Alexander City St Jr Col	187	0	0	0	0	0	0	0	187
Athens State College	598	0	0	0	0	0	0	0	598
Auburn University	30,996	24,712	15,213	0	0	192	272	9,035	6,284
Bessemer St Tech Col	720	0	0	0	0	0	0	0	720
Birmingham Southern Col	769	11	0	0	11	0	0	0	758
Bishop St Comm Col	2,166	0	0	0	0	0	0	0	2,166
Brewer State Junior Col	614	0	0	0	0	0	0	0	614
Calhoun State Cmty Col	1,742	55	0	0	55	0	0	0	1,687
Chattahoochee Val St CC	536	0	0	0	0	0	0	0	536
Chauncey Sparks St Tech	449	0	0	0	0	0	0	0	449
Concordia College	1,031	0	0	0	0	0	0	0	1,031
Douglas Macarthur St Te C	419	0	0	0	0	0	0	0	419
Enterprise State JC	1,185	0	0	0	0	0	0	0	1,185
Faulkner State Junior Col	1,156	0	0	0	0	0	0	0	1,156
Faulkner University	1,882	0	0	0	0	0	0	0	1,882
G C Wallace St C C Dothan	1,190	0	0	0	0	0	0	0	1,190
G C Wallace St CC Selma	836	0	0	0	0	0	0	0	836
Gadsden Jr Comm College	33	33	0	0	0	0	0	33	0
Harry M Ayers St Tech C	234	0	0	0	0	0	0	0	234
Hobson State Tech C	297	0	0	0	0	0	0	0	297
Huntingdon College	344	0	0	0	0	0	0	0	344
J F Drake St Tech	734	0	0	0	0	0	0	0	734
Jacksonville State Univ	3,756	68	68	0	0	0	0	0	3,688
Jefferson Davis St Jr Col	583	0	0	0	0	0	0	0	583
Jefferson State Jr Col	3,440	13	0	0	13	0	0	0	3,427
John M. Patterson St Tech	223	0	0	0	0	0	0	0	223
Judson College	216	0	0	0	0	0	0	0	216
Lawson State Cmty College	2,540	0	0	0	0	0	0	0	2,540
Livingston University	1,248	0	0	0	0	0	0	0	1,248
Lurleen B Wallace St Jr C	1,287	0	0	0	0	0	0	0	1,287
Marion Military Institute	168	0	0	0	0	0	0	0	168
Miles College	2,327	0	0	0	0	0	0	0	2,327
Mobile College	727	0	0	0	0	0	0	0	727
N F Nunnelly St Tech C	579	0	0	0	0	0	0	0	579
N W Ala St Tech College	500	0	0	0	0	0	0	0	500
National Inst of Tech	109	0	0	0	0	0	0	0	109
Northeast Ala St Jr Col	541	0	0	0	0	0	0	0	541
Northwest Alabama St CC	1,778	0	0	0	0	0	0	0	1,778
Oakwood College	2,242	107	0	0	0	107	0	0	2,135
Patrick Henry St Jr Col	597	0	0	0	0	0	0	0	597
R.E.T.S. Electronic Inst	964	0	0	0	0	0	0	0	964
Reid State Technical C	203	0	0	0	0	0	0	0	203
Samford University	1,222	0	0	0	0	0	0	0	1,222
Selma University	1,403	316	0	0	0	0	316	0	1,087
Shelton State Cmty Col	2,029	12	0	0	0	12	0	0	2,017
Shoals Community College	425	0	0	0	0	0	0	0	425
Snead State Junior Col	473	0	0	0	0	0	0	0	473
Southeastern Bible Col	75	0	0	0	0	0	0	0	75
Southern Junior College	497	0	0	0	0	0	0	0	497
Southern Technical Coll	109	0	0	0	0	0	0	0	109
Southern Union St Jr Col	972	0	0	0	0	0	0	0	972
Southwest St Tech Col	846	0	0	0	0	0	0	0	846
Spring Hill College	702	0	0	0	0	0	0	0	702
Stillman College	2,884	298	0	0	0	115	183	0	2,586
Talladega College	2,310	141	0	0	0	135	6	0	2,169
The University of Alabama	11,821	4,291	3,500	0	0	321	422	48	7,530
Trenholm St Tech Col	1,418	0	0	0	0	0	0	0	1,418
Troy St U-Montgomery	186	0	0	0	0	0	0	0	186
Troy St Univ Main Campus	3,666	0	0	0	0	0	0	0	3,666
Tuskegee University	16,746	6,739	3,627	0	0	411	906	1,795	10,007
Univ of Alabama Sys Off	527	516	105	0	0	5	264	142	11
Univ of South Alabama	12,569	7,782	7,382	0	6	268	126	0	4,787
Univ Alabama Birmingham	85,566	75,153	70,702	997	0	2,345	812	297	10,413
Univ Alabama Huntsville	20,629	18,948	18,225	0	0	370	0	353	1,681
University of Montevallo	1,447	0	0	0	0	0	0	0	1,447
Walker College	562	0	0	0	0	0	0	0	562
Walker State Tech C	693	101	0	101	0	0	0	0	592
Wallace St CC-Hanceville	1,656	0	0	0	0	0	0	0	1,656
Alaska, total	24,845	18,866	15,111	0	0	1,215	549	1,991	5,979
Alaska Bible College	20	0	0	0	0	0	0	0	20
Alaska Pacific University	313	0	0	0	0	0	0	0	313
Sheldon Jackson College	299	0	0	0	0	0	0	0	299

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, trainee-ships, and training grants	General support science/engineering	Other science/engineering	
Alaska, cont'd									
Univ of Alaska Anchorage	3,853	912	553	0	0	21	289	49	2,941
Univ of Alaska Fairbanks	16,274	16,274	12,948	0	0	1,194	190	1,942	0
Univ of Alaska Southeast	411	150	150	0	0	0	0	0	261
Univ of Alaska System Off	3,675	1,530	1,460	0	0	0	70	0	2,145
Arizona, total	186,363	125,344	103,319	10,123	210	2,786	3,141	5,765	61,019
Amer Grad Sch Intl Managmt	232	0	0	0	0	0	0	0	232
American Indian Bible Ins	174	0	0	0	0	0	0	0	174
Arizona Col of the Bible	80	0	0	0	0	0	0	0	80
Arizona State University	44,389	29,062	17,719	10,000	0	479	324	540	15,327
Central Arizona College	892	0	0	0	0	0	0	0	892
Cochise College	1,593	62	0	0	0	0	0	62	1,531
Eastern Arizona College	1,334	0	0	0	0	0	0	0	1,334
Glendale Community Col	2,630	37	0	0	0	0	37	0	2,593
Grand Canyon University	1,532	0	0	0	0	0	0	0	1,532
Maricopa Tech Cmty Col	917	0	0	0	0	0	0	0	917
Mesa Community College	2,628	0	0	0	0	0	0	0	2,628
Mohave Cmty College	947	0	0	0	0	0	0	0	947
Navajo Community College	5,575	171	0	0	0	0	171	0	5,404
Northern Arizona Univ	10,290	3,121	2,278	0	188	22	511	122	7,169
Northland Pioneer College	762	0	0	0	0	0	0	0	762
Phoenix College	2,460	0	0	0	0	0	0	0	2,460
Pima County Comm Col Dist	22	22	0	0	22	0	0	0	0
Prescott College	448	236	0	0	0	0	99	137	212
Rich Mountain CC	350	0	0	0	0	0	0	0	350
Rio Salado Cmty College	355	0	0	0	0	0	0	0	355
Scottsdale Cmty College	956	0	0	0	0	0	0	0	956
South Mountain Cmty Col	700	0	0	0	0	0	0	0	700
SW Con Baptist Bible Coll	132	0	0	0	0	0	0	0	132
Univ & St Col of Ariz S O	410	409	409	0	0	0	0	0	1
University of Arizona	104,241	92,224	82,913	123	0	2,285	1,999	4,904	12,017
University of Phoenix	680	0	0	0	0	0	0	0	680
Western International U	75	0	0	0	0	0	0	0	75
Yavapai College	1,559	0	0	0	0	0	0	0	1,559
Arkansas, total	97,141	31,866	19,643	194	205	267	2,140	9,417	65,275
Arkansas Baptist College	980	0	0	0	0	0	0	0	980
Arkansas College	995	92	8	0	42	0	0	42	903
Arkansas State University	7,927	196	107	0	19	0	70	0	7,731
Arkansas Tech University	2,258	0	0	0	0	0	0	0	2,258
Capital City Junior Col	1,868	0	0	0	0	0	0	0	1,868
Central Baptist College	142	0	0	0	0	0	0	0	142
College of the Ozarks	757	0	0	0	0	0	0	0	757
Crowley's Ridge College	159	0	0	0	0	0	0	0	159
East Ark Cmty Col	1,337	0	0	0	0	0	0	0	1,337
Garland Co Cmty Col	820	0	0	0	0	0	0	0	820
Harding University	3,051	0	0	0	0	0	0	0	3,051
Henderson State Univ	2,691	0	0	0	0	0	0	0	2,691
Hendrix College	713	55	55	0	0	0	0	0	658
John Brown University	712	11	11	0	0	0	0	0	701
Miss County Community Col	1,040	0	0	0	0	0	0	0	1,040
Northern Arkansas C Coll	1,727	0	0	0	0	0	0	0	1,727
Ouachita Baptist Univ	1,733	236	127	0	0	0	109	0	1,497
Philander Smith College	2,125	154	5	0	0	0	149	0	1,971
Phillips County Cmty Col	1,455	0	0	0	0	0	0	0	1,455
Shorter College	638	0	0	0	0	0	0	0	638
Southern Arkansas Univ	3,162	126	0	0	46	80	0	0	3,036
Southern Baptist College	736	0	0	0	0	0	0	0	736
U of Ark at Monticello	2,263	0	0	0	0	0	0	0	2,263
U of Arkansas Med Sci Cam	9,925	7,116	6,385	0	0	45	686	0	2,809
Univ of Ark Fayetteville	18,720	11,557	10,467	194	0	22	65	809	7,163
Univ of Ark Little Rock	11,719	8,986	1,216	0	98	18	478	7,176	2,733
Univ of Ark Pine Bluff	11,993	3,337	1,262	0	0	102	583	1,390	8,656
Univ of Central Arkansas	4,242	0	0	0	0	0	0	0	4,242
Westark Community College	1,253	0	0	0	0	0	0	0	1,253
California, total	1,773,548	1,396,606	1,258,964	25,181	1,341	61,249	17,411	32,460	376,942
Allan Hancock College	555	0	0	0	0	0	0	0	555
American Conserv Theatre	60	0	0	0	0	0	0	0	60
American River College	1,918	0	0	0	0	0	0	0	1,918
Antelope Valley College	931	0	0	0	0	0	0	0	931
Armstrong Sch of Business	38	0	0	0	0	0	0	0	38
Art Ctr Col of Design	691	0	0	0	0	0	0	0	691
Azusa Pacific University	1,395	0	0	0	0	0	0	0	1,395
Bakersfield College	1,158	75	0	0	0	0	0	75	1,083
Barstow College	343	0	0	0	0	0	0	0	343

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
California, cont'd									
Bay-Valley Tech	53	0	0	0	0	0	0	0	53
Bethany Bible College	408	0	0	0	0	0	0	0	408
Biola University	1,037	0	0	0	0	0	0	0	1,037
Brooks Institute	302	0	0	0	0	0	0	0	302
Butte College	1,848	0	0	0	0	0	0	0	1,848
Cabrillo College	808	0	0	0	0	0	0	0	808
Cal Col of Podiatric Med	420	0	0	0	0	0	0	0	420
Cal Inst Integral Studies	27	0	0	0	0	0	0	0	27
Cal Poly St U San Luis Ob	7,502	1,265	688	0	309	268	0	0	6,237
Cal Sch Prof Psych-L A	1,102	0	0	0	0	0	0	0	1,102
Cal Sch Prof Psych-Sys of	83	0	0	0	0	0	0	0	83
Cal St U - San Bernadino	3,171	264	109	0	0	0	80	75	2,907
Cal St U Dominguez Hills	2,646	410	0	0	0	59	351	0	2,236
Cal Western School of Law	206	0	0	0	0	0	0	0	206
Calif Inst of the Arts	565	0	0	0	0	0	0	0	565
Calif St Poly Univ Pomona	5,720	81	6	0	75	0	0	0	5,639
Calif St U Bakersfield	1,765	144	77	0	67	0	0	0	1,621
Calif St Univ & Col Sys O	172	172	155	0	0	17	0	0	0
Calif St Univ Fullerton	1,379	1,379	1,366	0	0	13	0	0	0
Calif St Univ Hayward	3,038	461	185	0	15	0	85	176	2,577
Calif St Univ Long Beach	10,525	1,990	1,629	0	0	213	148	0	8,535
Calif St Univ Los Angeles	8,964	3,624	2,575	0	76	204	769	0	5,340
Calif St Univ Northridge	9,092	669	615	0	0	54	0	0	8,423
Calif St Univ Sacramento	7,488	908	324	0	18	374	0	192	6,580
Calif St Univ Stanislaus	2,145	381	0	0	0	0	268	113	1,764
Calif State Univ Chico	8,268	291	8	0	0	6	0	277	7,977
Calif State Univ Fresno	7,383	242	175	0	67	0	0	0	7,141
California Baptist Col	549	0	0	0	0	0	0	0	549
California Inst of Tech	76,974	76,974	69,335	679	0	3,602	197	3,161	0
California Lutheran Col	758	0	0	0	0	0	0	0	758
California Maritime Acad	257	0	0	0	0	0	0	0	257
Canada College	459	0	0	0	0	0	0	0	459
Cerritos College	1,596	0	0	0	0	0	0	0	1,596
Cerro Coso Comm College	325	0	0	0	0	0	0	0	325
Chabot College	1,095	0	0	0	0	0	0	0	1,095
Chaffey Cmty College	1,189	0	0	0	0	0	0	0	1,189
Chapman College	1,237	72	72	0	0	0	0	0	1,165
Charles R. Drew Med&Sci	4,966	4,334	3,542	0	0	203	589	0	632
Christ College Irvine	303	0	0	0	0	0	0	0	303
Christian Heritage Coll	339	0	0	0	0	0	0	0	339
Church Div School Pacific	14	0	0	0	0	0	0	0	14
Citrus College	703	0	0	0	0	0	0	0	703
Claremont Mckenna College	525	0	0	0	0	0	0	0	525
Claremont U Ctr Sys Off	136	0	0	0	0	0	0	0	136
Claremont U Ctr& Grad Sch	236	127	93	0	0	34	0	0	109
Cleveland Chiropractic C	119	0	0	0	0	0	0	0	119
Coastline Cmty College	109	0	0	0	0	0	0	0	109
Cogswell College	77	0	0	0	0	0	0	0	77
Col Osteo Med of Pacific	959	0	0	0	0	0	0	0	959
Coleman College	420	0	0	0	0	0	0	0	420
College of the Canyons	201	0	0	0	0	0	0	0	201
College of the Redwoods	1,700	0	0	0	0	0	0	0	1,700
College of the Sequoias	1,628	0	0	0	0	0	0	0	1,628
College of the Siskiyous	463	0	0	0	0	0	0	0	463
College of Alameda	760	0	0	0	0	0	0	0	760
College of Notre Dame	244	0	0	0	0	0	0	0	244
College of San Mateo	588	0	0	0	0	0	0	0	588
College of The Desert	723	0	0	0	0	0	0	0	723
Columbia College - Columbia	311	0	0	0	0	0	0	0	311
Columbia College - Hollywood	84	0	0	0	0	0	0	0	84
Compton Community College	2,029	0	0	0	0	0	0	0	2,029
Consortium of CA State U	63	63	0	0	0	0	63	0	0
Contra Costa College	1,090	0	0	0	0	0	0	0	1,090
Cosumnes River College	539	0	0	0	0	0	0	0	539
Crafton Hills College	432	0	0	0	0	0	0	0	432
Ctr for Early Education	25	0	0	0	0	0	0	0	25
Cuesta College	785	116	0	0	0	0	116	0	669
Cuyamaca College	227	0	0	0	0	0	0	0	227
Cypress College	1,003	0	0	0	0	0	0	0	1,003
D-Q University	784	44	0	0	0	0	44	0	740
De Anza College	1,469	0	0	0	0	0	0	0	1,469
Deep Springs College	19	8	8	0	0	0	0	0	11
Diablo Valley College	570	0	0	0	0	0	0	0	570
Dominican Col San Rafael	272	0	0	0	0	0	0	0	272
Don Bosco Technical Inst	70	0	0	0	0	0	0	0	70
East Los Angeles College	2,607	196	0	0	0	0	196	0	2,411
El Camino College	2,036	258	0	0	0	0	0	258	1,778
Evergreen Valley College	2	0	0	0	0	0	0	0	2
Fashion Inst-Desgn & Mer	2,881	0	0	0	0	0	0	0	2,881

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
California, cont'd									
Feather River College	329	60	0	0	0	0	60	0	269
Foothill College	542	0	0	0	0	0	0	0	542
Foothill-Deanza CCSys Off	66	66	66	0	0	0	0	0	0
Fresno City College	3,553	38	0	0	38	0	0	0	3,515
Fresno Pacific College	517	0	0	0	0	0	0	0	517
Fuller Theological Sem	69	0	0	0	0	0	0	0	69
Fullerton College	900	0	0	0	0	0	0	0	900
Gavilan College	479	0	0	0	0	0	0	0	479
Glendale Community Col	72	72	0	0	72	0	0	0	0
Golden Gate University	462	0	0	0	0	0	0	0	462
Golden West College	681	0	0	0	0	0	0	0	681
Graduate Theol Union	58	0	0	0	0	0	0	0	58
Grossmont College	1,179	0	0	0	0	0	0	0	1,179
Hartnell College	1,294	0	0	0	0	0	0	0	1,294
Harvey Mudd College	1,259	604	523	0	81	0	0	0	655
Heald Business College	730	0	0	0	0	0	0	0	730
Heald C-Walnut Creek	336	0	0	0	0	0	0	0	336
Heald College-Fresno	382	0	0	0	0	0	0	0	382
Heald College-San Jose	874	0	0	0	0	0	0	0	874
Heald Inst Tech	281	0	0	0	0	0	0	0	281
Holy Names College	299	0	0	0	0	0	0	0	299
Humboldt State University	1,625	1,622	1,597	0	17	18	0	0	3
Humphreys College	322	0	0	0	0	0	0	0	322
Imperial Valley College	2,301	0	0	0	0	0	0	0	2,301
ITT Tech Inst-La Mesa	127	0	0	0	0	0	0	0	127
ITT Tech Inst-West Cva	258	0	0	0	0	0	0	0	258
John F Kennedy University	262	91	0	0	0	0	0	91	171
L A City Jr Col Dst S O	455	455	455	0	0	0	0	0	0
L.I.F.E. Bible College	191	0	0	0	0	0	0	0	191
Lake Tahoe Cmty College	84	0	0	0	0	0	0	0	84
Laney College	1,922	0	0	0	0	0	0	0	1,922
Loma Linda University	16,223	13,225	1,985	11,100	13	72	55	0	2,998
Long Beach City College	3,622	0	0	0	0	0	0	0	3,622
Los Angeles Bapt Col&Sem	445	0	0	0	0	0	0	0	445
Los Angeles City College	2,656	0	0	0	0	0	0	0	2,656
Los Angeles Harbor Col	678	0	0	0	0	0	0	0	678
Los Angeles Mission Coll	303	0	0	0	0	0	0	0	303
Los Angeles Pierce Col	998	0	0	0	0	0	0	0	998
Los Angeles Southwest Col	2,076	0	0	0	0	0	0	0	2,076
Los Angeles Tr Tech Col	2,298	0	0	0	0	0	0	0	2,298
Los Angeles Valley Col	708	0	0	0	0	0	0	0	708
Los Medanos College	540	0	0	0	0	0	0	0	540
Loyola Marymount Univ	3,436	171	0	0	0	0	171	0	3,265
Marin Community College	1,068	0	0	0	0	0	0	0	1,068
Mendocino College	744	397	0	0	0	0	0	397	347
Menlo College	139	0	0	0	0	0	0	0	139
Merced College	2,228	0	0	0	0	0	0	0	2,228
Merritt College	1,284	158	158	0	0	0	0	0	1,126
Mills College	1,200	161	161	0	0	0	0	0	1,039
Mira Costa College	607	0	0	0	0	0	0	0	607
Mission College	412	0	0	0	0	0	0	0	412
Modesto Junior College	1,599	0	0	0	0	0	0	0	1,599
Monterey Inst Intl Study	8	8	0	0	0	0	0	8	0
Monterey Peninsula Col	1,036	0	0	0	0	0	0	0	1,036
Moorpark College	329	329	0	0	29	0	0	300	0
Mount San Antonio College	1,406	0	0	0	0	0	0	0	1,406
Mount St Mary's College	1,205	333	0	0	0	0	333	0	872
Napa Valley College	830	0	0	0	0	0	0	0	830
National University	1,419	19	0	0	0	19	0	0	1,400
New College of California	687	0	0	0	0	0	0	0	687
Northrop University	184	0	0	0	0	0	0	0	184
Occidental College	1,415	197	197	0	0	0	0	0	1,218
Ohlone College	455	0	0	0	0	0	0	0	455
Orange Coast College	1,146	0	0	0	0	0	0	0	1,146
Pac Coast Bptst Bible C	194	0	0	0	0	0	0	0	194
Pacific Christian College	275	0	0	0	0	0	0	0	275
Pacific Grad Sch of Psych	28	0	0	0	0	0	0	0	28
Pacific Lutheran Theo Sem	15	0	0	0	0	0	0	0	15
Pacific Oaks College	427	0	0	0	0	0	0	0	427
Pacific Sch of Religion	92	0	0	0	0	0	0	0	92
Pacific Union College	1,606	0	0	0	0	0	0	0	1,606
Palo Verde College	190	0	0	0	0	0	0	0	190
Palomar College	1,572	153	0	0	0	0	0	153	1,419
Pasadena City College	2,854	0	0	0	0	0	0	0	2,854
Patten College	165	0	0	0	0	0	0	0	165
Pepperdine University	984	100	100	0	0	0	0	0	884
Pitzer College	819	179	151	0	0	0	0	28	640
Point Loma College	971	45	45	0	0	0	0	0	926
Pomona College	1,242	148	148	0	0	0	0	0	1,094

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
California, cont'd									
Porterville College	582	0	0	0	0	0	0	0	582
Reedley College	1,417	0	0	0	0	0	0	0	1,417
Rio Hondo College	2,156	0	0	0	0	0	0	0	2,156
Riverside City College	918	0	0	0	0	0	0	0	918
Sacramento City College	1,220	0	0	0	0	0	0	0	1,220
Saddleback College	468	0	0	0	0	0	0	0	468
San Bernardino Valley Col	1,752	0	0	0	0	0	0	0	1,752
San Diego Mesa College	1,977	0	0	0	0	0	0	0	1,977
San Diego Miramar College	238	0	0	0	0	0	0	0	238
San Diego State Univ	22,530	12,092	11,115	0	196	94	99	588	10,438
San Francisco CC District	381	0	0	0	0	0	0	0	381
San Francisco State Univ	12,654	2,791	2,323	0	0	0	27	441	9,863
San Joaquin Delta College	3,913	117	0	0	0	0	0	117	3,796
San Jose Bible College	121	0	0	0	0	0	0	0	121
San Jose City College	1,697	371	0	0	0	0	0	371	1,326
San Jose CC Dist Sys Off	1,144	0	0	0	0	0	0	0	1,144
San Jose State University	16,128	7,291	5,190	0	44	196	600	1,261	8,837
San Mateo CC Dis Sys Off	410	410	0	0	0	0	0	410	0
Santa Ana College	1,959	388	0	0	0	0	0	388	1,571
Santa Barbara City Col	1,778	0	0	0	0	0	0	0	1,778
Santa Clara University	2,141	650	509	0	50	0	91	0	1,491
Santa Monica College	1,088	0	0	0	0	0	0	0	1,088
Santa Rosa Junior College	1,729	0	0	0	0	0	0	0	1,729
Saybrook Institute	5	0	0	0	0	0	0	0	5
Sch of Theology Claremont	65	0	0	0	0	0	0	0	65
Scripps College	429	0	0	0	0	0	0	0	429
Shasta College	1,624	0	0	0	0	0	0	0	1,624
Sierra College	794	0	0	0	0	0	0	0	794
Simpson College (Cal)	218	0	0	0	0	0	0	0	218
Skyline College	922	192	0	0	0	0	0	192	730
Solano Co Cmty College	744	0	0	0	0	0	0	0	744
Sonoma State University	3,239	1,611	435	0	57	23	63	1,033	1,628
Southern Cal Col Optmtry	170	150	0	0	0	150	0	0	20
Southern California Col	625	0	0	0	0	0	0	0	625
Southwestern College	1,841	65	0	0	0	0	65	0	1,776
Southwestern U Sch of Law	466	0	0	0	0	0	0	0	466
St Ctr CC Dist System Off	182	82	0	0	0	0	0	82	100
St Mary's Col California	574	0	0	0	0	0	0	0	574
Stanford University	275,781	265,282	239,847	9,233	0	13,715	789	1,698	10,499
Sthrn Cal Inst of Arch	13	13	13	0	0	0	0	0	0
Taft College	353	0	0	0	0	0	0	0	353
U of Cal Sys Wide Prgms	11,973	11,427	1,521	0	0	0	0	9,906	546
Univ of Cal Berkeley	164,358	147,478	131,070	0	0	11,222	1,205	3,981	16,880
Univ of Cal Davis	76,787	64,271	60,100	938	0	1,945	831	457	12,516
Univ of Cal Irvine	57,791	50,199	47,303	105	0	1,443	1,304	44	7,592
Univ of Cal Los Angeles	200,090	182,282	170,839	232	0	7,662	1,730	1,819	17,808
Univ of Cal Riverside	15,507	12,627	11,958	0	0	206	369	94	2,880
Univ of Cal San Diego	184,633	176,478	166,601	1,167	0	6,876	1,789	45	8,155
Univ of Cal San Francisco	177,273	171,384	159,027	944	0	9,236	1,464	713	5,889
Univ of Cal Santa Barbara	49,645	41,978	37,444	247	0	400	1,519	2,368	7,667
Univ of Cal Santa Cruz	16,392	11,610	10,253	536	0	325	496	0	4,782
Univ of San Francisco	2,989	1,224	469	0	0	42	76	637	1,765
Univ of Southern Cal	134,061	118,775	114,766	0	0	2,500	1,242	267	15,286
Univ of West Los Angeles	24	0	0	0	0	0	0	0	24
University of the Pacific	4,950	1,036	913	0	36	0	87	0	3,914
University of La Verne	1,379	21	0	0	21	0	0	0	1,358
University of Redlands	1,116	0	0	0	0	0	0	0	1,116
University of San Diego	2,929	638	596	0	16	26	0	0	2,291
US International Univ	1,147	88	88	0	0	0	0	0	1,059
Ventura Cnty CC Sys Off	36	36	0	0	36	0	0	0	0
Ventura College	2	0	0	0	0	0	0	0	2
Victor Valley College	745	0	0	0	0	0	0	0	745
Vista College	34	0	0	0	0	0	0	0	34
West Coast Bible College	189	0	0	0	0	0	0	0	189
West Coast University	166	0	0	0	0	0	0	0	166
West Hills College	1,390	244	0	0	0	0	0	244	1,146
Westmont College	524	46	46	0	0	0	0	0	478
Westrn St U C Law Sys Off	513	0	0	0	0	0	0	0	513
Whittier College	863	72	0	0	0	32	40	0	791
Woodbury University	453	0	0	0	0	0	0	0	453
World College West	147	0	0	0	0	0	0	0	147
Wstrn St U Col Law S Dieg	39	0	0	0	0	0	0	0	39
Yuba College	2,074	8	0	0	8	0	0	0	2,066
Colorado, total	248,105	166,544	147,301	210	214	6,667	3,721	8,431	81,561
Adams State College	2,484	0	0	0	0	0	0	0	2,484
Aims Community College	1,296	41	0	0	41	0	0	0	1,255
Arapahoe Community Col	1,133	0	0	0	0	0	0	0	1,133

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Colorado, cont'd									
Bel-Rea Inst Anml Tec	163	0	0	0	0	0	0	0	163
Blair Junior College	1,198	0	0	0	0	0	0	0	1,198
Cmty Col Denver Auraria	2,368	224	0	0	0	0	0	224	2,144
Cmty Col Denver Red Rocks	674	80	0	0	0	80	0	0	594
Colo Northwstrn Cmty Col	315	0	0	0	0	0	0	0	315
Colorado Christian Univ	421	0	0	0	0	0	0	0	421
Colorado College	1,054	128	128	0	0	0	0	0	926
Colorado Mountain College	648	0	0	0	0	0	0	71	648
Colorado School of Mines	3,729	3,689	3,600	0	0	18	0	0	40
Colorado State University	51,652	42,523	36,120	0	0	1,703	622	4,078	9,129
Colorado Technical Col	623	0	0	0	0	0	0	0	623
Community Col Aurora	642	93	0	0	0	0	52	41	549
Denver Technical College	1,015	0	0	0	0	0	0	0	1,015
Electronic Tech Institute	440	0	0	0	0	0	0	0	440
Fort Lewis College	2,207	233	0	0	84	0	0	149	1,974
Front Range Comm College	1,907	120	0	0	0	0	0	120	1,787
Iliff School of Theology	67	0	0	0	0	0	0	0	67
Lamar Community College	585	0	0	0	0	0	0	0	585
Mesa State College	2,850	0	0	0	0	0	0	0	2,850
Metropolitan State Col	6,911	171	162	0	9	0	0	0	6,740
Morgan County CC	219	0	0	0	0	0	0	0	219
Naropa Institute	85	0	0	0	0	0	0	0	85
National Tech University	200	100	100	0	0	0	0	0	100
Nazarene Bible College	479	0	0	0	0	0	0	0	479
Northeastern Junior Col	805	0	0	0	0	0	0	0	805
Otero Junior College	600	0	0	0	0	0	0	0	600
Pikes Peak Community Col	2,804	0	0	0	0	0	0	0	2,804
Pueblo Community College	2,874	332	0	0	0	0	0	332	2,542
Regis College	1,762	89	70	0	19	0	0	0	1,673
St Thomas Seminary	19	0	0	0	0	0	0	0	19
Technical Trades Institut	1,115	0	0	0	0	0	0	0	1,115
Trinidad State Junior Col	1,886	0	0	0	0	0	0	0	1,886
Univ of Northern Colorado	5,721	2,061	631	0	34	0	606	790	3,660
Univ of Southern Colorado	4,892	574	186	0	0	0	388	0	4,318
University of Colorado	130,430	110,494	101,345	210	27	4,729	1,766	2,417	19,936
University of Denver	8,158	5,592	4,959	0	0	137	287	209	2,566
Western St Col Colorado	1,653	0	0	0	0	0	0	0	1,653
Yeshiva T Chaim Tal Sem	21	0	0	0	0	0	0	0	21
Connecticut, total	248,533	212,774	188,744	2,579	277	12,167	4,272	4,735	35,759
Albertus Magnus College	238	0	0	0	0	0	0	0	238
Asnuntuck CC	168	0	0	0	0	0	0	0	168
Bais Binyomin Academy	67	0	0	0	0	0	0	0	67
Briarwood College	75	0	0	0	0	0	0	0	75
Central Conn State Univ	2,367	746	50	0	0	0	428	268	1,621
Conn State Tech College	90	12	0	0	12	0	0	0	78
Connecticut College	1,011	137	20	0	0	93	24	0	874
Eastern Conn State Univ	1,192	0	0	0	0	0	0	0	1,192
Fairfield University	1,085	272	58	25	67	0	122	0	813
Greater Hartford Cmty Col	767	0	0	0	0	0	0	0	767
Greater New Haven St Tech	91	0	0	0	0	0	0	0	91
Hartford Col for Women	105	0	0	0	0	0	0	0	105
Holy Apostles College	59	0	0	0	0	0	0	0	59
Housatonic Cmty Col	531	0	0	0	0	0	0	0	531
Manchester Community Col	409	0	0	0	0	0	0	0	409
Mattatuck Community Col	756	0	0	0	0	0	0	0	756
Middlesex Cmty Col (Conn)	391	0	0	0	0	0	0	0	391
Mitchell College	326	0	0	0	0	0	0	0	326
Mohegan Community College	454	0	0	0	0	0	0	0	454
Northwstrn Conn Cmty Col	152	0	0	0	0	0	0	0	152
Norwalk Community College	245	0	0	0	0	0	0	0	245
Norwalk State Tech Col	122	0	0	0	0	0	0	0	122
Post College	466	0	0	0	0	0	0	0	466
Quinebaug Valley CC	285	0	0	0	0	0	0	0	285
Quinnipiac College	954	211	211	0	0	0	0	0	743
Sacred Heart University	888	0	0	0	0	0	0	0	888
South Central Cmty Col	442	0	0	0	0	0	0	0	442
Southern Conn State Univ	1,782	207	65	0	0	49	0	93	1,575
St Alphonsus College	17	0	0	0	0	0	0	0	17
St Joseph College	313	92	65	0	0	0	27	0	221
Thames Valley St Tech Col	64	0	0	0	0	0	0	0	64
Trinity College	1,192	63	50	0	0	13	0	0	1,129
Tunxis Community College	230	0	0	0	0	0	0	0	230
University of Bridgeport	2,146	214	144	0	50	20	0	0	1,932
University of Connecticut	52,304	46,395	39,761	1,245	0	1,337	1,112	2,940	5,909
University of Hartford	1,524	277	137	0	0	0	0	140	1,247
University of New Haven	1,210	72	58	0	0	14	0	0	1,138
Waterbury State Tech Col	139	44	0	0	44	0	0	0	95

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Connecticut, cont'd									
Wesleyan University	4,612	1,978	1,843	0	11	66	26	32	2,634
Western Conn State Univ	926	37	37	0	0	0	0	0	889
Yale University	168,338	162,017	146,245	1,309	0	10,668	2,533	1,262	6,321
Delaware, total	30,081	19,806	16,333	0	0	469	479	2,525	10,275
Brandywine College	377	0	0	0	0	0	0	0	377
Delaware State University	3,526	1,524	487	0	0	208	313	516	2,002
Delaware Tech & Cmty Col	3,821	484	0	0	0	0	0	484	3,337
Goldey Beacom College	428	0	0	0	0	0	0	0	428
University of Delaware	21,093	17,723	15,846	0	0	261	166	1,450	3,370
Wesley College	519	0	0	0	0	0	0	0	519
Wilmington College	317	75	0	0	0	0	0	75	242
District of Columbia, total	309,452	80,624	69,206	0	121	1,781	4,546	4,990	228,828
American University	5,884	3,301	2,153	0	69	156	119	804	2,583
Catholic Univ of America	6,700	4,978	4,904	0	0	42	14	18	1,722
Corcoran School of Art	159	0	0	0	0	0	0	0	159
Gallaudet University	49,667	2,138	1,362	0	0	92	425	259	47,529
George Washington Univ	29,073	25,707	22,730	0	0	34	1,341	1,602	3,366
Georgetown University	35,487	26,540	24,728	0	0	241	678	893	8,947
Howard University	175,594	14,608	12,291	0	0	712	1,525	80	160,986
Mount Vernon College	123	0	0	0	0	0	0	0	123
Southeastern University	204	5	0	0	0	0	5	0	199
Strayer College	583	0	0	0	0	0	0	0	583
Trinity College	437	0	0	0	0	0	0	0	437
University of D C	5,518	3,347	1,038	0	52	484	439	1,334	2,171
Wesley Theol Sem	23	0	0	0	0	0	0	0	23
Florida, total	396,804	224,558	196,397	1,003	436	5,187	7,768	13,767	172,246
Art Inst of Ft Lauderdale	2,038	0	0	0	0	0	0	0	2,038
Barry University	1,495	176	0	0	0	176	0	0	1,319
Bethune Cookman College	5,478	933	92	0	0	58	783	0	4,545
Brevard Community College	1,902	0	0	0	0	0	0	0	1,902
Broward Community College	2,207	0	0	0	0	0	0	0	2,207
Central Florida Bible C	68	0	0	0	0	0	0	0	68
Central Florida Cmty Col	1,040	0	0	0	0	0	0	0	1,040
Chipola Junior College	689	0	0	0	0	0	0	0	689
Clearwater Christian Col	242	0	0	0	0	0	0	0	242
College of Boca Raton	215	0	0	0	0	0	0	0	215
Daytona Beach Cmty Col	4,264	0	0	0	0	0	0	0	4,264
Eckerd College	789	50	0	0	0	0	50	0	739
Edison Community College	819	0	0	0	0	0	0	0	819
Edward Waters College	2,240	0	0	0	0	0	0	0	2,240
Embry-Riddle Aero Univ	3,944	48	48	0	0	0	0	0	3,896
Flagler College	465	0	0	0	0	0	0	0	465
Florida A & M University	14,640	6,323	3,340	0	0	731	920	1,332	8,317
Florida Atlantic Univ	6,636	4,197	1,912	0	46	66	389	1,784	2,439
Florida College	105	0	0	0	0	0	0	0	105
Florida Inst of Tech	2,993	1,115	1,072	0	38	0	5	0	1,878
Florida International U	4,577	1,108	359	0	76	0	513	160	3,469
Florida Keys Cmty College	140	0	0	0	0	0	0	0	140
Florida Memorial College	6,052	80	0	0	0	0	80	0	5,972
Florida Southern College	569	0	0	0	0	0	0	0	569
Florida State University	36,561	29,381	28,021	15	0	245	762	338	7,180
Fort Lauderdale Univ	1,621	0	0	0	0	0	0	0	1,621
FL Comm Col-Jacksonville	2,949	0	0	0	0	0	0	0	2,949
Gulf Coast Cmty College	1,176	0	0	0	0	0	0	0	1,176
Hillsborough Cmty College	2,661	0	0	0	0	0	0	0	2,661
Hobe Sound Bible College	157	0	0	0	0	0	0	0	157
Indian River Cmty College	927	0	0	0	0	0	0	0	927
International Fine Arts C	452	0	0	0	0	0	0	0	452
ITT Tech Institute	108	0	0	0	0	0	0	0	108
Jacksonville University	1,026	0	0	0	0	0	0	0	1,026
Jones College	3,741	0	0	0	0	0	0	0	3,741
Lake City Community Col	827	6	0	0	6	0	0	0	821
Lake-Sumter Community Col	419	0	0	0	0	0	0	0	419
Manatee Junior College	1,584	0	0	0	0	0	0	0	1,584
Miami Christian College	199	0	0	0	0	0	0	0	199
Miami-Dade Cmty College	18,222	338	12	0	0	0	259	67	18,884
New Eng Inst Tec-Palm Bch	474	0	0	0	0	0	0	0	474
North Florida Jr College	347	0	0	0	0	0	0	0	347
Nova University	2,929	1,434	1,434	0	0	0	0	0	1,495
Okaloosa-Walton Jr Col	1,124	0	0	0	0	0	0	0	1,124
Palm Beach Atlantic Coll	573	0	0	0	0	0	0	0	573
Palm Beach Junior College	1,125	0	0	0	0	0	0	0	1,125
Pasco Hernando CC	1,074	0	0	0	0	0	0	0	1,074

See explanatory material at end of table.

(Continued)

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Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Florida, cont'd									
Pensacola Junior College	3,522	196	0	0	0	0	196	0	3,326
Polk Community College	1,591	0	0	0	0	0	0	0	1,591
Rollins College	800	124	43	0	49	0	32	0	676
Santa Fe Community Col	2,478	163	0	0	0	0	0	163	2,315
Seminole Community Col	1,188	0	0	0	0	0	0	0	1,188
Sestrn Col-Assemb of God	1,033	0	0	0	0	0	0	0	1,033
South Florida Junior Col	369	0	0	0	0	0	0	0	369
St John Vianney Col Sem	29	0	0	0	0	0	0	0	29
St John's River Cmty Col	365	0	0	0	0	0	0	0	365
St Leo College	829	0	0	0	0	0	0	0	829
St Petersburg Junior Col	2,935	0	0	0	0	0	0	0	2,935
St. Thom of Villanova U	3,247	0	0	0	0	0	0	0	3,247
State Univ Sys of Fla Off	20,038	19,938	19,938	0	0	0	0	0	100
Stetson University	1,156	26	0	0	0	0	0	26	1,130
SE Univ Health Sciences	1,216	0	0	0	0	0	0	0	1,216
Tallahassee Community Col	1,031	33	0	0	33	0	0	0	998
Talmudic Col of Florida	97	0	0	0	0	0	0	0	97
Tampa College	1,029	0	0	0	0	0	0	0	1,029
Tampa Technical Institute	145	0	0	0	0	0	0	0	145
Univ of Central Florida	15,552	9,831	8,988	0	159	211	40	433	5,721
Univ of South Florida	21,344	12,520	12,060	0	0	55	354	51	8,824
Univ of West Florida	2,444	643	200	0	11	12	420	0	1,801
University of Florida	85,812	70,706	58,696	582	0	2,006	1,488	7,934	15,106
University of Miami	75,381	63,781	60,135	406	0	1,627	1,024	589	11,600
University of North Fla	1,821	285	47	0	0	0	238	0	1,536
University of Sarasota	20	0	0	0	0	0	0	0	20
University of Tampa	818	18	0	0	18	0	0	0	800
Valencia Community Col	5,192	1,105	0	0	0	0	215	890	4,087
Warner Southern College	316	0	0	0	0	0	0	0	316
Webber College	123	0	0	0	0	0	0	0	123
Georgia, total	316,845	217,051	183,001	2,086	179	2,993	4,763	24,029	99,794
Abraham Baldwin Agric Col	1,420	0	0	0	0	0	0	0	1,420
Agnes Scott College	278	14	14	0	0	0	0	0	264
Albany Junior College	794	0	0	0	0	0	0	0	794
Albany State College	4,002	423	0	0	0	138	285	0	3,579
Andrew College	205	0	0	0	0	0	0	0	205
Armstrong State College	846	34	0	0	34	0	0	0	812
Atlanta Christian Col	133	0	0	0	0	0	0	0	133
Atlanta Jr College	1,171	46	0	0	0	0	46	0	1,125
Atlanta University	8,827	5,723	4,863	0	0	43	817	0	3,104
Augusta College	1,553	10	10	0	0	0	0	0	1,543
Bainridge Jr College	387	0	0	0	0	0	0	0	387
Bauder Finshng & Career C	426	0	0	0	0	0	0	0	426
Berry College	850	16	16	0	0	0	0	0	834
Brenau College	366	0	0	0	0	0	0	0	366
Brewton-Parker College	1,914	0	0	0	0	0	0	0	1,914
Brunswick Junior College	732	0	0	0	0	0	0	0	732
Clark Atlanta University	4,554	709	516	0	0	0	193	0	3,845
Clayton Junior College	312	0	0	0	0	0	0	0	312
Columbus College	1,440	90	44	0	46	0	0	0	1,350
Covenant College	577	0	0	0	0	0	0	0	577
Crandall Junior College	1,190	0	0	0	0	0	0	0	1,190
Dalton Junior College	409	0	0	0	0	0	0	0	409
Dekalb Community College	1,181	10	0	0	10	0	0	0	1,171
Emanuel County Junior Col	118	0	0	0	0	0	0	0	118
Emmanuel College	305	0	0	0	0	0	0	0	305
Emory University	55,671	48,030	45,840	888	0	531	771	0	7,641
Floyd Junior College	483	0	0	0	0	0	0	0	483
Fort Valley State Univ	7,325	3,454	1,684	0	0	139	0	1,631	3,871
Gainesville Junior Col	493	0	0	0	0	0	0	0	493
Georgia College	1,421	0	0	0	0	0	0	0	1,421
Georgia Institute of Tech	76,724	72,639	60,949	0	63	717	239	10,671	4,085
Georgia Military College	430	0	0	0	0	0	0	0	430
Georgia Southern College	4,362	504	399	0	0	64	41	0	3,858
Georgia Southwestern Col	1,217	0	0	0	0	0	0	0	1,217
Georgia State University	6,394	3,801	3,424	0	0	4	66	307	2,593
Gordon Junior College	421	0	0	0	0	0	0	0	421
Gupton Jones C Funrl Serv	244	0	0	0	0	0	0	0	244
Interdenomina Theol Ctr	76	0	0	0	0	0	0	0	76
Kennesaw College	832	136	76	0	0	0	60	0	696
La Grange College	399	0	0	0	0	0	0	0	399
Macon Junior College	826	0	0	0	0	0	0	0	826
Medical Col of Georgia	9,905	8,798	8,552	0	0	80	166	0	1,107
Mercer University	9,682	6,284	6,284	0	0	0	0	0	3,398
Middle Georgia College	478	0	0	0	0	0	0	0	478
Morehouse College	3,773	624	333	0	0	291	0	0	3,149
Morehouse School of Med	11,942	5,034	3,862	0	0	91	1,081	0	6,908

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Georgia, cont'd									
Morris Brown College	4,061	29	10	0	19	0	0	0	4,032
North Georgia College	507	14	0	0	0	14	0	0	493
Oglethorpe University	364	0	0	0	0	0	0	0	364
Paine College	1,946	20	0	0	0	20	0	0	1,926
Phillips College-Augusta	1,210	0	0	0	0	0	0	0	1,210
Phillips College-Columbus	1,068	0	0	0	0	0	0	0	1,068
Piedmont College	258	0	0	0	0	0	0	0	258
Reinhardt College	185	0	0	0	0	0	0	0	185
Savannah State College	3,624	218	115	0	0	103	0	0	3,406
Shorter College	332	0	0	0	0	0	0	0	332
South Georgia College	1,171	0	0	0	0	0	0	0	1,171
Spelman College	3,067	471	230	0	0	135	106	0	2,596
Thomas County Cmty Coll	282	0	0	0	0	0	0	0	282
Toccoa Falls College	814	0	0	0	0	0	0	0	814
Truett Mcconnell College	222	0	0	0	0	0	0	0	222
Univ System of Georgia	153	153	153	0	0	0	0	0	0
University of Georgia	64,993	59,715	45,627	1,198	0	623	892	11,375	5,278
Valdosta State College	2,793	0	0	0	0	0	0	0	2,793
Waycross Junior College	215	0	0	0	0	0	0	0	215
Wesleyan College	366	45	0	0	0	0	0	45	321
West Georgia College	1,966	7	0	0	7	0	0	0	1,959
Young Harris College	160	0	0	0	0	0	0	0	160
Hawaii, total	84,753	67,163	47,913	14,079	0	602	1,761	2,808	17,590
Chaminade U of Honolulu	845	0	0	0	0	0	0	0	845
Hawaii Cmty Col	34	34	0	0	0	34	0	0	0
Hawaii Loa College	330	0	0	0	0	0	0	0	330
Hawaii Pacific College	2,353	0	0	0	0	0	0	0	2,353
Honolulu Cmty College	535	0	0	0	0	0	0	0	535
Kapiolani Cmty College	771	0	0	0	0	0	0	0	771
Kauai Cmty College	435	0	0	0	0	0	0	0	435
Leeward Cmty College	435	0	0	0	0	0	0	0	435
Maui Community College	657	0	0	0	0	0	0	0	657
U Hawaii W Oahu College	46	0	0	0	0	0	0	0	46
Univ of Hawaii Sys Off	10,709	10,709	10,565	0	0	144	0	0	0
Univ of Hawaii-Manoa	63,215	54,518	36,693	14,079	0	424	514	2,808	8,697
Univ Hawaii at Hilo	4,105	1,902	655	0	0	0	1,247	0	2,203
Windward Cmty College	283	0	0	0	0	0	0	0	283
Idaho, total	49,910	18,473	10,424	3,787	27	116	441	3,678	31,437
Boise Bible College	71	0	0	0	0	0	0	0	71
Boise State University	8,216	688	157	0	0	90	0	441	7,528
College of Idaho	492	0	0	0	0	0	0	0	492
College of Southern Idaho	2,437	0	0	0	0	0	0	0	2,437
Idaho State University	6,662	533	458	0	0	0	75	0	6,129
Lewis-Clark State College	2,279	371	0	0	15	0	273	83	1,908
North Idaho College	1,952	12	0	0	12	0	0	0	1,940
Northwest Nazarene Col	1,191	0	0	0	0	0	0	0	1,191
Ricks College	4,711	0	0	0	0	0	0	0	4,711
University of Idaho	21,899	16,869	9,809	3,787	0	26	93	3,154	5,030
Illinois, total	604,137	376,154	324,405	1,900	401	15,136	9,166	25,146	227,983
Amer Acad of Art	204	0	0	0	0	0	0	0	204
Amer Conserv of Music	54	0	0	0	0	0	0	0	54
Amer Schs Prof Psychology	26	0	0	0	0	0	0	0	26
Augustana College	1,556	223	223	0	0	0	0	0	1,333
Aurora College	867	0	0	0	0	0	0	0	867
Barat College	414	0	0	0	0	0	0	0	414
Belleville Area College	2,531	0	0	0	0	0	0	0	2,531
Bethany Theol Sem	30	0	0	0	0	0	0	0	30
Black Hawk College	2,743	59	43	0	16	0	0	0	2,684
Blackburn College	578	8	0	0	8	0	0	0	570
Bradley University	2,791	33	17	0	16	0	0	0	2,758
Brisk Rabbinical College	12	0	0	0	0	0	0	0	12
Carl Sandburg College	1,114	0	0	0	0	0	0	0	1,114
Chicago Col of Osteo Med	1,289	368	368	0	0	0	0	0	921
Chicago Sch of Prof Psych	11	0	0	0	0	0	0	0	11
Chicago State University	7,322	796	62	0	0	0	734	0	6,526
City Colleges of Chicago	17,876	112	0	0	14	0	0	98	17,764
College of Du Page	1,003	0	0	0	0	0	0	0	1,003
College of Lake County	1,287	126	126	0	0	0	0	0	1,161
College of St Francis	640	0	0	0	0	0	0	0	640
Columbia College	4,040	33	0	0	33	0	0	0	4,007
Concordia College	378	0	0	0	0	0	0	0	378
Danville Area Cmty Col	1,510	0	0	0	0	0	0	0	1,510
De Paul University	4,283	777	647	0	0	0	14	116	3,506

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Illinois, cont'd									
East-West University	643	0	0	0	0	0	0	0	643
Eastern Illinois Univ	4,601	688	165	0	90	0	433	0	3,913
Elgin Community College	685	0	0	0	0	0	0	0	685
Elmhurst College	832	0	0	0	0	0	0	0	832
Eureka College	540	0	0	0	0	0	0	0	540
Felician College	5	0	0	0	0	0	0	0	5
Forest Inst of Prof Psych	36	22	0	0	0	22	0	0	14
Garrett-Evangicl Theo Sem	60	0	0	0	0	0	0	0	60
Gem City College	101	0	0	0	0	0	0	0	101
Governors State Univ	1,133	0	0	0	0	0	0	0	1,133
Greenville College	825	0	0	0	0	0	0	0	825
Hebrew Theological Col	16	0	0	0	0	0	0	0	16
Highland Community Col	959	27	0	0	27	0	0	0	932
Ill E CC Lincoln Trail C	90	0	0	0	0	0	0	0	90
Ill E CC Olney Cntrl Col	301	0	0	0	0	0	0	0	301
Ill Estrn CC Sys Office	2,525	32	0	0	0	0	32	0	2,493
Illinois Benedictine Col	691	39	0	0	0	0	39	0	652
Illinois Central College	2,179	0	0	0	0	0	0	0	2,179
Illinois Col of Optometry	489	0	0	0	0	0	0	0	489
Illinois College	634	0	0	0	0	0	0	0	634
Illinois Inst of Tech	7,362	5,007	4,777	0	0	80	32	118	2,355
Illinois State University	8,860	1,437	1,219	0	0	0	218	0	7,423
Illinois Technical Col	272	0	0	0	0	0	0	0	272
Illinois Valley Cmty Col	723	0	0	0	0	0	0	0	723
Illinois Wesleyan Univ	1,212	0	0	0	0	0	0	0	1,212
John A Logan College	2,069	45	0	0	0	0	45	0	2,024
John Wood Community Coll	1,162	0	0	0	0	0	0	0	1,162
Joliet Jr College	1,624	0	0	0	0	0	0	0	1,624
Judson College	544	0	0	0	0	0	0	0	544
Kankakee Community Col	855	0	0	0	0	0	0	0	855
Kaskaskia College	1,080	0	0	0	0	0	0	0	1,080
Kendall College	314	0	0	0	0	0	0	0	314
Kishwaukee College	587	0	0	0	0	0	0	0	587
Knox College	1,059	321	321	0	0	0	0	0	738
Lake Forest College	1,117	61	61	0	0	0	0	0	1,056
Lake Land College	1,163	0	0	0	0	0	0	0	1,163
Lewis and Clark Cmty Col	1,942	0	0	0	0	0	0	0	1,942
Lewis University	1,903	0	0	0	0	0	0	0	1,903
Lincoln Christian Col	363	0	0	0	0	0	0	0	363
Lincoln College	2,280	0	0	0	0	0	0	0	2,280
Lincoln Land Cmty College	1,346	0	0	0	0	0	0	0	1,346
Loyola Univ - Chicago	12,281	6,418	6,209	0	0	77	132	0	5,863
MacCormac College	572	0	0	0	0	0	0	0	572
MacMurray College	1,038	0	0	0	0	0	0	0	1,038
Mallinckrodt College	30	0	0	0	0	0	0	0	30
McCormick Theol Sem	35	0	0	0	0	0	0	0	35
McHenry County College	493	109	0	0	0	0	0	109	384
McKendree College	744	0	0	0	0	0	0	0	744
Mennonite Col of Nursing	56	0	0	0	0	0	0	0	56
Metropolitan Bus College	1,055	0	0	0	0	0	0	0	1,055
Millikin University	1,085	21	0	0	21	0	0	0	1,064
Monmouth College	721	0	0	0	0	0	0	0	721
Moraine Valley Cmty Col	1,265	0	0	0	0	0	0	0	1,265
Morton College	209	0	0	0	0	0	0	0	209
Mundelein College	674	0	0	0	0	0	0	0	674
Naes College	152	0	0	0	0	0	0	0	152
National College of Educ	2,479	214	68	0	0	0	0	146	2,265
North Central College	655	0	0	0	0	0	0	0	655
North Park Col Theol Sem	1,089	0	0	0	0	0	0	0	1,089
Northeastern Ill Univ	4,338	364	73	0	11	12	0	268	4,074
Northern Illinois Univ	11,835	4,271	2,929	0	0	55	997	290	7,564
Northwestern University	72,694	64,214	57,494	902	0	2,497	1,234	2,087	8,480
Oakton Community College	402	104	0	0	0	0	0	104	298
Olivet Nazarene College	1,158	0	0	0	0	0	0	0	1,158
Parkland College	3,286	525	290	0	0	0	0	235	2,761
Prairie State College	1,124	45	0	0	0	0	0	45	1,079
Quincy College	1,016	0	0	0	0	0	0	0	1,016
Rend Lake College	1,198	0	0	0	0	0	0	0	1,198
Richland Cmty Col	889	0	0	0	0	0	0	0	889
Robert Morris Col (Ill)	2,733	0	0	0	0	0	0	0	2,733
Rock Valley College	957	0	0	0	0	0	0	0	957
Rockford College	723	0	0	0	0	0	0	0	723
Roosevelt University	2,294	0	0	0	0	0	0	0	2,294
Rosary College	709	101	67	0	34	0	0	0	608
Rush University	2,453	1,664	1,493	0	0	50	121	0	789
S Illinois U Edwardsville	5,660	551	526	0	0	0	25	0	5,109
Sangamon State University	780	0	0	0	0	0	0	0	780
Sauk Valley College	1,238	0	0	0	0	0	0	0	1,238

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989
[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Illinois, cont'd									
Shawnee College	1,046	0	0	0	0	0	0	0	1,046
Shimer College	185	0	0	0	0	0	0	0	185
Southeastern Illinois Col	1,688	0	0	0	0	0	0	0	1,688
Southern Ill U-Carbondale	22,186	5,895	5,405	0	100	28	362	0	16,291
Southrn Ill Univ Sys Off	1,374	1,374	192	0	0	0	450	732	0
Spertus Coll of Judaica	51	0	0	0	0	0	0	0	51
Spoon River College	735	0	0	0	0	0	0	0	735
Springfield Col in Ill	149	0	0	0	0	0	0	0	149
St Augustine Cmty Coll	2,433	0	0	0	0	0	0	0	2,433
St Xavier College	1,103	0	0	0	0	0	0	0	1,103
State CC at East St Louis	1,475	0	0	0	0	0	0	0	1,475
Telshe Yeshiva - Chicago	122	0	0	0	0	0	0	0	122
Thornton Community Col	1,411	0	0	0	0	0	0	0	1,411
Trinity Christian Col	389	0	0	0	0	0	0	0	389
Trinity College	733	0	0	0	0	0	0	0	733
Trinity Evangel Div Schl	27	0	0	0	0	0	0	0	27
Triton College	2,636	215	0	0	0	0	0	215	2,421
U Hlth Sci/Chcgo Med Sch	3,488	3,407	3,317	0	0	21	69	0	81
Univ of Ill Chicago	61,391	46,266	43,271	0	0	849	1,186	960	15,125
Univ of Ill Urbana	120,910	120,659	100,062	998	0	2,173	915	16,511	251
Univ of Illinois Sys Off	17,618	7,400	4,234	0	0	683	1,250	1,233	10,218
University of Chicago	105,402	100,914	90,611	0	0	8,589	836	878	4,488
Waubonsee Community Col	921	309	0	0	0	0	0	309	612
Western Illinois Univ	6,697	900	135	0	31	0	42	692	5,797
Wheaton College	1,128	0	0	0	0	0	0	0	1,128
William Rainey Harper Col	554	0	0	0	0	0	0	0	554
Wm M Scholl Coll Pod Med	324	0	0	0	0	0	0	0	324
Indiana, total	256,735	152,837	131,315	988	868	4,636	3,901	11,329	103,898
Ancilla Domini College	197	0	0	0	0	0	0	0	197
Anderson College	1,649	0	0	0	0	0	0	0	1,649
Ball State University	8,207	530	47	0	66	0	417	0	7,677
Bethel College	401	0	0	0	0	0	0	0	401
Butler University	1,732	315	315	0	0	0	0	0	1,417
Calumet College	858	0	0	0	0	0	0	0	858
Christian Theol Sem	45	0	0	0	0	0	0	0	45
De Pauw University	1,045	20	20	0	0	0	0	0	1,025
Earlham College	985	56	0	0	56	0	0	0	929
Franklin Col of Indiana	752	0	0	0	0	0	0	0	752
George Rogers Clark Col	1,307	0	0	0	0	0	0	0	1,307
Goshen College	699	0	0	0	0	0	0	0	699
Grace Schools, Inc.	886	0	0	0	0	0	0	0	886
Hanover College	232	0	0	0	0	0	0	0	232
Holy Cross Junior College	172	0	0	0	0	0	0	0	172
Huntington College	534	0	0	0	0	0	0	0	534
Ind Voc Tech C-Indnplis	61	61	4	0	0	0	0	57	0
Indiana Institute of Tech	830	0	0	0	0	0	0	0	830
Indiana State University	8,198	441	441	0	0	0	0	0	7,757
Indiana University	83,969	61,604	55,449	878	0	2,404	1,761	1,412	22,365
Indiana Wesleyan College	1,152	0	0	0	0	0	0	0	1,152
Interstate Tech Institute	67	0	0	0	0	0	0	0	67
ITT Educational Services	653	0	0	0	0	0	0	0	653
ITT Tech Inst Fort Wayne	222	0	0	0	0	0	0	0	222
ITT Tech Inst-Indianapol	15,763	0	0	0	0	0	0	0	15,763
Manchester College	777	0	0	0	0	0	0	0	777
Marian College	737	0	0	0	0	0	0	0	737
Martin Center College	310	0	0	0	0	0	0	0	310
Oakland City College	1,090	0	0	0	0	0	0	0	1,090
Purdue University	92,160	75,869	62,751	0	0	1,719	1,599	9,800	16,291
Rose-Hulman Inst of Tech	843	843	390	0	453	0	0	0	0
St Francis College	498	0	0	0	0	0	0	0	498
St Joseph's College	525	0	0	0	0	0	0	0	525
St Mary-of-the-Woods Col	291	0	0	0	0	0	0	0	291
St Mary's College	555	24	24	0	0	0	0	0	531
St Meinrad College	127	0	0	0	0	0	0	0	127
St Meinrad Sch - Theology	67	0	0	0	0	0	0	0	67
Summit Christian College	437	0	0	0	0	0	0	0	437
Taylor University	907	13	0	0	13	0	0	0	894
Tri-State University	589	31	0	0	31	0	0	0	558
University of Evansville	1,686	56	20	0	36	0	0	0	1,630
University of Indianapoli	1,004	0	0	0	0	0	0	0	1,004
University of Notre Dame	16,553	12,649	11,643	410	0	513	79	4	3,904
Valparaiso University	1,962	237	186	0	6	0	45	0	1,725
Vincennes University	4,703	63	0	0	7	0	0	56	4,640
Wabash College	298	25	25	0	0	0	0	0	273

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, trainee-ships, and training grants	General support science/engineering	Other science/engineering	
Iowa, total	220,887	123,633	103,214	1,930	139	4,391	2,441	11,518	97,254
Briar Cliff College	1,287	41	0	0	0	0	41	0	1,246
Buena Vista College	2,468	0	0	0	0	0	0	0	2,468
Central Univ of Iowa	1,961	0	0	0	0	0	0	0	1,961
Clarke College	699	0	0	0	0	0	0	0	699
Coe College	1,208	29	29	0	0	0	0	0	1,179
Cornell College	1,004	1	1	0	0	0	0	0	1,003
Des Moines Area Cmty Col	4,076	47	0	0	0	0	0	47	4,029
Divine Word College	197	34	34	0	0	0	0	0	163
Dordt College	940	0	0	0	0	0	0	0	940
Drake University	3,443	716	0	0	0	32	100	584	2,727
Eastern Iowa Cmty College	3,836	0	0	0	0	0	0	0	3,836
Ellsworth Community Col	890	0	0	0	0	0	0	0	890
Faith Baptist Bible Col	192	0	0	0	0	0	0	0	192
Graceland College	2,140	0	0	0	0	0	0	0	2,140
Grand View College	840	0	0	0	0	0	0	0	840
Grinnell College	716	135	135	0	0	0	0	0	581
Indian Hills Cmty College	2,367	297	0	0	0	0	0	297	2,070
Iowa Central Cmty College	1,472	0	0	0	0	0	0	0	1,472
Iowa Lakes Cmty College	1,780	127	0	0	0	0	127	0	1,653
Iowa St U of Sci & Tech	54,627	38,947	25,987	1,930	102	261	321	10,346	15,680
Iowa Valley CC Dist	1	0	0	0	0	0	0	0	1
Iowa Wesleyan College	518	0	0	0	0	0	0	0	518
Iowa Western Cmty College	1,608	0	0	0	0	0	0	0	1,608
Kirkwood Community Col	4,062	215	0	0	0	80	135	0	3,847
Loras College	1,329	0	0	0	0	0	0	0	1,329
Luther College	2,367	0	0	0	0	0	0	0	2,367
Maharishi Intl University	1,644	561	561	0	0	0	0	0	1,083
Marshalltown Cmty College	929	0	0	0	0	0	0	0	929
Marycrest College	993	7	0	0	7	0	0	0	986
Morningside College	1,250	0	0	0	0	0	0	0	1,250
Mount Mercy College	1,094	0	0	0	0	0	0	0	1,094
Mount St Clare College	323	0	0	0	0	0	0	0	323
N Iowa Area Cmty College	1,680	0	0	0	0	0	0	0	1,680
Northeast Iowa Tech Inst	1,034	0	0	0	0	0	0	0	1,034
Northwest Iowa Tech Col	370	0	0	0	0	0	0	0	370
Northwestern College	1,045	0	0	0	0	0	0	0	1,045
Palmer Col of Chiroprctc	732	0	0	0	0	0	0	0	732
Scott Cmty Col-E Iowa CC	200	200	0	0	0	200	0	0	0
Simpson College	1,007	0	0	0	0	0	0	0	1,007
Southeastrn Cmty Col (IA)	1,175	0	0	0	0	0	0	0	1,175
Southwestern Cmty College	1,034	0	0	0	0	0	0	0	1,034
St Ambrose College	1,091	0	0	0	0	0	0	0	1,091
U Osteo Med & Hlth Sci	679	0	0	0	0	0	0	0	679
Univ of Northern Iowa	7,222	422	408	0	14	0	0	0	6,800
University of Dubuque	782	0	0	0	0	0	0	0	782
University of Iowa	94,237	81,838	76,059	0	0	3,818	1,717	244	12,399
Upper Iowa University	930	0	0	0	0	0	0	0	930
Vennard College	169	0	0	0	0	0	0	0	169
Waldorf College	751	0	0	0	0	0	0	0	751
Wartburg College	1,137	16	0	0	16	0	0	0	1,121
Wartburg Theol Sem	39	0	0	0	0	0	0	0	39
Western Iowa Tech	1,461	0	0	0	0	0	0	0	1,461
Westmar College	738	0	0	0	0	0	0	0	738
William Penn College	1,113	0	0	0	0	0	0	0	1,113
Kansas, total	128,654	53,138	39,105	1,358	23	1,667	2,005	8,980	75,516
Allen Co Cmty Junior Col	841	0	0	0	0	0	0	0	841
Baker University	839	106	0	0	0	0	106	0	733
Barton County Cmty Col	1,292	0	0	0	0	0	0	0	1,292
Benedictine College	679	0	0	0	0	0	0	0	679
Bethany College	698	0	0	0	0	0	0	0	698
Bethel College	791	39	0	0	0	0	39	0	752
Butler County Cmty Jr Col	1,398	57	0	0	0	0	57	0	1,341
Central College	468	0	0	0	0	0	0	0	468
Cloud County Cmty Col	975	0	0	0	0	0	0	0	975
Coffeyville Cmty Col	618	0	0	0	0	0	0	0	618
Colby Community College	1,155	0	0	0	0	0	0	0	1,155
Cowley Co Cmty College	587	0	0	0	0	0	0	0	587
Dodge City Cmty Col	958	0	0	0	0	0	0	0	958
Donnelly College	1,542	0	0	0	0	0	0	0	1,542
Emporia State University	667	145	0	0	0	0	0	145	522
Fort Hays St Univ	4,934	427	126	0	14	0	0	287	4,507
Fort Scott Cmty Col	1,190	9	0	0	9	0	0	0	1,181
Friends Bible College	81	0	0	0	0	0	0	0	81
Friends University	806	0	0	0	0	0	0	0	806
Garden City Cmty Col	593	0	0	0	0	0	0	0	593
Haskell Indian Jr College	119	0	0	0	0	0	0	0	119

See explanatory material at end of table.

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Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Kansas, cont'd									
Hesston College	745	0	0	0	0	0	0	0	745
Highland Cmty College	672	0	0	0	0	0	0	0	672
Hutchinson Cmty Col	1,279	0	0	0	0	0	0	0	1,279
Independence Cmty College	778	0	0	0	0	0	0	0	778
Johnson County Cmty Col	1,780	100	0	0	0	0	0	100	1,680
Kans St U - Ag & App Sci	32,332	22,645	14,448	1,358	0	125	181	6,533	9,687
Kansas City Col&Bible Sch	104	0	0	0	0	0	0	0	104
Kansas City Kansas Cmty C	1,615	148	0	0	0	0	0	148	1,467
Kansas Newman College	416	0	0	0	0	0	0	0	416
Kansas Technical Inst	275	0	0	0	0	0	0	0	275
Kansas Wesleyan	689	0	0	0	0	0	0	0	689
Labette Community College	612	0	0	0	0	0	0	0	612
Manhattan Christian Col	216	0	0	0	0	0	0	0	216
Marymount Col of Kansas	144	0	0	0	0	0	0	0	144
McPherson College	501	0	0	0	0	0	0	0	501
Mid-America Nazarene Col	1,111	0	0	0	0	0	0	0	1,111
Neosho County Cmty Col	332	0	0	0	0	0	0	0	332
Ottawa University	1,362	0	0	0	0	0	0	0	1,362
Pittsburg State Univ	3,726	272	272	0	0	0	0	0	3,454
Pratt Community Col	745	0	0	0	0	0	0	0	745
Seward County Cmty Col	497	0	0	0	0	0	0	0	497
Southwestern College	550	0	0	0	0	0	0	0	550
St Mary of the Plains Col	8,504	0	0	0	0	0	0	0	8,504
St Mary College	857	16	16	0	0	0	0	0	841
Sterling College	568	0	0	0	0	0	0	0	568
Tabor College	585	0	0	0	0	0	0	0	585
University of Kansas	37,118	28,133	23,380	0	0	1,542	1,444	1,767	8,985
Washburn Univ of Topeka	2,348	0	0	0	0	0	0	0	2,348
Wichita State University	6,962	1,041	863	0	0	0	178	0	5,921
Kentucky, total	143,265	50,605	36,140	0	226	651	1,333	12,255	92,660
Alice Lloyd College	747	0	0	0	0	0	0	0	747
Asbury College	952	0	0	0	0	0	0	0	952
Asbury Theol Seminary	258	0	0	0	0	0	0	0	258
Bellarmine College	650	1	1	0	0	0	0	0	649
Berea College	3,204	0	0	0	0	0	0	0	3,204
Brescia College	734	58	0	0	0	0	58	0	676
Campbellsville College	943	0	0	0	0	0	0	0	943
Centre College	494	12	12	0	0	0	0	0	482
Cumberland College	2,177	0	0	0	0	0	0	0	2,177
Eastern Kentucky Univ	10,041	161	0	0	0	64	0	97	9,880
Georgetown College	808	0	0	0	0	0	0	0	808
Inst of Electronic Tech	169	0	0	0	0	0	0	0	169
Kentucky Christian Col	1,025	278	278	0	0	0	0	0	747
Kentucky Col of Business	1,278	0	0	0	0	0	0	0	1,278
Kentucky College of Tech	135	0	0	0	0	0	0	0	135
Kentucky State University	10,504	4,326	1,919	0	0	110	358	1,939	6,178
Kentucky Wesleyan College	617	0	0	0	0	0	0	0	617
Lees Junior College	744	0	0	0	0	0	0	0	744
Lindsey Wilson College	1,387	0	0	0	0	0	0	0	1,387
Louisville Pres Theol Sem	37	0	0	0	0	0	0	0	37
Louisville Technical Inst	485	0	0	0	0	0	0	0	485
Mid-Cont Baptist Bible C	39	0	0	0	0	0	0	0	39
Midway College	490	0	0	0	0	0	0	0	490
Morehead State University	6,656	0	0	0	0	0	0	0	6,656
Murray State University	4,709	317	30	0	71	0	216	0	4,392
Northern Kentucky Univ	2,974	190	139	0	51	0	0	0	2,784
Pikeville College	1,648	0	0	0	0	0	0	0	1,648
Spalding University	645	0	0	0	0	0	0	0	645
St Catharine College	273	0	0	0	0	0	0	0	273
Sue Bennett College	427	0	0	0	0	0	0	0	427
Thomas More College	652	0	0	0	0	0	0	0	652
Transylvania University	425	0	0	0	0	0	0	0	425
Union College	1,271	0	0	0	0	0	0	0	1,271
University of Kentucky	62,486	38,616	27,349	0	25	428	595	10,219	23,870
University of Louisville	15,250	6,320	6,165	0	0	49	106	0	8,930
Western Kentucky Univ	7,931	326	247	0	79	0	0	0	7,605
Louisiana, total	254,787	131,872	100,418	13,603	155	2,466	4,783	10,447	122,915
Bossier Parish Cmty Coll	434	0	0	0	0	0	0	0	434
Centenary College of L A	463	0	0	0	0	0	0	0	463
Delgado Community College	3,102	0	0	0	0	0	0	0	3,102
Dillard University	3,720	173	0	0	0	119	54	0	3,547
Grambling State Univ	12,702	1,048	594	0	0	245	159	50	11,654
Louisiana College	805	0	0	0	0	0	0	0	805
Louisiana State Univ	85,408	61,726	39,088	13,000	85	596	1,478	7,479	23,682
Louisiana Tech University	5,677	696	562	0	0	0	53	81	4,981

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Louisiana, cont'd									
Loyola Univ - New Orleans	2,168	25	25	0	0	0	0	0	2,143
LA St Univ System Office	2,754	2,737	1,595	0	0	0	1,110	32	17
McNeese State University	4,673	153	112	0	27	14	0	0	4,520
Nicholls State University	3,124	0	0	0	0	0	0	0	3,124
Northeast Louisiana Univ	7,478	270	218	0	0	0	0	52	7,208
Northwest State Univ	5,842	0	0	0	0	0	0	0	5,842
Notre Dame Sem Sch Theol	21	0	0	0	0	0	0	0	21
Our Lady Holy Cross Col	879	0	0	0	0	0	0	0	879
Phillips Col New Orleans	3,225	0	0	0	0	0	0	0	3,225
Saint Bernard Parish CC	33	0	0	0	0	0	0	0	33
Southeastern LA Univ	5,194	230	0	0	0	0	230	0	4,964
Southern U & A&M College	26,311	5,486	1,991	0	34	388	594	2,479	20,825
St Joseph Seminary	82	0	0	0	0	0	0	0	82
Tulane University	54,516	48,420	46,873	603	0	282	388	274	6,096
Univ of Southwestern LA	8,699	890	815	0	9	0	66	0	7,809
Xavier University of LA	17,477	10,018	8,545	0	0	822	651	0	7,459
Maine, total	45,750	13,472	9,090	0	270	252	624	3,236	32,278
Andover College	309	0	0	0	0	0	0	0	309
Bangor Theol Seminary	136	0	0	0	0	0	0	0	136
Bates College	1,029	111	0	0	111	0	0	0	918
Bowdoin College	1,364	370	317	0	37	0	0	16	994
Casco Bay College	186	0	0	0	0	0	0	0	186
Colby College	1,116	95	50	0	45	0	0	0	1,021
College of the Atlantic	472	5	5	0	0	0	0	0	467
Eastern Maine Tech Col	920	425	0	0	0	0	0	425	495
Husson College	1,366	0	0	0	0	0	0	0	1,366
Maine Maritime Academy	617	61	61	0	0	0	0	0	556
Portland School of Art	293	0	0	0	0	0	0	0	293
St Joseph's College	430	0	0	0	0	0	0	0	430
Thomas College	594	0	0	0	0	0	0	0	594
Unity College	592	0	0	0	0	0	0	0	592
Univ of Maine Augusta	4,174	2,041	2,041	0	0	0	0	0	2,133
Univ of Maine Orono	16,819	8,868	5,677	0	77	36	449	2,649	7,931
Univ of Maine System Off	540	540	540	0	0	0	0	0	0
Univ of Maine, Farmington	2,471	123	0	0	0	0	123	0	2,348
Univ of Maine, Fort Kent	717	0	0	0	0	0	0	0	717
Univ of Maine, Machias	1,008	0	0	0	0	0	0	0	1,008
Univ Maine, Presque Isle	2,364	34	34	0	0	0	0	0	2,330
University of ME-Bangor	150	150	150	0	0	0	0	0	0
University of New England	1,802	52	0	0	0	0	52	0	1,750
University of Sthrn Maine	5,951	577	215	0	0	216	0	146	5,374
Westbrook College	330	0	0	0	0	0	0	0	330
Maryland, total	804,615	727,151	514,747	5,331	141	13,431	4,702	188,799	77,464
Allegany Community Col	1,675	0	0	0	0	0	0	0	1,675
Anne Arundel Cmty College	762	47	0	0	0	0	47	0	715
Bowie State University	2,365	60	0	0	0	60	0	0	2,305
Capitol Inst of Tech	286	37	0	0	37	0	0	0	249
Catonsville Cmty College	2,550	359	0	0	0	0	0	359	2,191
Cecil Community College	538	275	0	0	0	0	0	275	263
Charles County Cmty Col	512	0	0	0	0	0	0	0	512
Chesapeake College	585	0	0	0	0	0	0	0	585
Cmty College of Baltimore	5,059	412	0	0	0	0	0	412	4,647
Col of Notre Dame of MD	463	73	73	0	0	0	0	0	390
Columbia Union College	384	0	0	0	0	0	0	0	384
Coppin State College	3,708	334	0	0	0	0	254	80	3,374
Dundalk Community College	1,184	0	0	0	0	0	0	0	1,184
Essex Community College	2,001	0	0	0	0	0	0	0	2,001
Frederick Community Col	335	0	0	0	0	0	0	0	335
Frostburg State Univ	2,656	650	0	0	0	0	134	516	2,006
Garrett Community College	353	0	0	0	0	0	0	0	353
Goucher College	608	0	0	0	0	0	0	0	608
Hagerstown Business Coll	34	0	0	0	0	0	0	0	34
Hagerstown Junior College	841	0	0	0	0	0	0	0	841
Harford Community College	700	85	0	0	0	0	0	85	615
Hood College	631	17	0	0	17	0	0	0	614
Howard Community College	614	0	0	0	0	0	0	0	614
Johns Hopkins University	612,128	604,567	411,879	2,031	0	11,372	2,498	176,787	7,561
Loyola College	4,074	3,355	275	3,000	70	10	0	0	719
Maryland Inst Col of Art	812	0	0	0	0	0	0	0	812
Montgomery College	3,599	0	0	0	0	0	0	0	3,599
Morgan State University	6,352	935	647	0	0	288	0	0	5,417
Mount St Mary's Col (MD)	383	6	6	0	0	0	0	0	377
Ner Israel Rabbinical Col	132	0	0	0	0	0	0	0	132
Peabody Inst-J Hopkins U	87	0	0	0	0	0	0	0	87
Prince Georges Cmty Col	1,930	0	0	0	0	0	0	0	1,930

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Maryland, cont'd									
Salisbury State College	1,224	16	16	0	0	0	0	0	1,208
Sojourner-Douglas College	633	0	0	0	0	0	0	0	633
St John's College (MD)	922	0	0	0	0	0	0	0	922
St Mary's College of MD	402	96	79	0	17	0	0	0	306
St Mary's Sem & Univ	23	0	0	0	0	0	0	0	23
Towson State University	3,252	160	29	0	0	0	131	0	3,092
U of MD Baltimore County	6,600	3,718	3,369	0	0	0	50	299	2,882
U of MD Center for Ees	168	168	168	0	0	0	0	0	0
U of MD Eastern Shore	5,138	2,692	1,023	0	0	102	250	1,317	2,446
U of MD University Coll	3,302	25	25	0	0	0	0	0	3,277
Univ of Maryland Sys Off	2,333	2,297	2,258	0	0	39	0	0	36
Univ of MD Balt Prof Sch	40,554	35,918	34,648	0	0	303	550	417	4,636
Univ of MD College Park	78,765	70,824	60,252	300	0	1,249	771	8,252	7,941
University of Baltimore	986	0	0	0	0	0	0	0	986
Villa Julie College	443	8	0	0	0	8	0	0	435
Wash Bible College	139	0	0	0	0	0	0	0	139
Washington College	289	0	0	0	0	0	0	0	289
Western Maryland College	619	17	0	0	0	0	17	0	602
Wor-Wic Tech Cmty College	482	0	0	0	0	0	0	0	482
Massachusetts, total	839,682	694,978	629,070	17,338	960	30,336	8,112	9,162	144,704
American Internatl Col	889	0	0	0	0	0	0	0	889
Amherst College	2,009	1,174	1,044	0	109	0	21	0	835
Anna Maria College	248	0	0	0	0	0	0	0	248
Assumption College	1,237	449	0	0	16	0	0	433	788
Atlantic Union College	720	0	0	0	0	0	0	0	720
Babson College	514	0	0	0	0	0	0	0	514
Bay Path College	237	0	0	0	0	0	0	0	237
Bay State Jr Col Business	405	0	0	0	0	0	0	0	405
Bentley College	2,030	237	20	0	0	0	167	50	1,793
Berkshire Community Col	826	123	0	0	0	0	0	123	703
Boston Architectural Ctr	63	0	0	0	0	0	0	0	63
Boston College	9,847	5,091	4,693	0	0	59	189	150	4,756
Boston Conserv of Music	233	0	0	0	0	0	0	0	233
Boston University	75,686	66,235	60,029	584	0	3,434	1,018	1,170	9,451
Bradford College	2,865	0	0	0	0	0	0	0	2,865
Brandeis University	19,130	17,056	15,491	0	0	1,015	550	0	2,074
Bridgewater State College	2,598	285	215	0	0	0	70	0	2,313
Bristol Community College	2,082	0	0	0	0	0	0	0	2,082
Bunker Hill Community Col	3,233	45	0	0	0	0	45	0	3,188
Cambridge College	6	0	0	0	0	0	0	0	6
Cape Cod Community Col	973	0	0	0	0	0	0	0	973
Catherine College	278	0	0	0	0	0	0	0	278
Clark University	2,919	1,530	1,424	0	0	106	0	0	1,389
Cntrl New England C Tech	29	0	0	0	0	0	0	0	29
Col of the Holy Cross	1,466	255	191	0	64	0	0	0	1,211
Col of Our Lady of Elms	467	0	0	0	0	0	0	0	467
Curry College	388	4	0	0	0	4	0	0	384
Dean Junior College	451	0	0	0	0	0	0	0	451
Eastern Nazarene College	606	0	0	0	0	0	0	0	606
Emerson College	1,000	72	0	0	0	0	72	0	928
Emmanuel College	1,755	1,174	1,174	0	0	0	0	0	581
Endicott College	417	0	0	0	0	0	0	0	417
Fisher Junior College	1,101	0	0	0	0	0	0	0	1,101
Fitchburg State College	1,488	0	0	0	0	0	0	0	1,488
Forsyth Sch Dent Hygnsts	43	0	0	0	0	0	0	0	43
Framingham State College	855	0	0	0	0	0	0	0	855
Franklin Inst of Boston	122	0	0	0	0	0	0	0	122
Gordon College	424	0	0	0	0	0	0	0	424
Gordon-Conwell Theol Sem	136	0	0	0	0	0	0	0	136
Greenfield Community Col	834	0	0	0	0	0	0	0	834
Hampshire College	1,036	250	207	0	43	0	0	0	786
Harvard University	171,316	161,251	141,760	1,614	0	15,010	2,406	461	10,065
Hellenic Col Holy Cross	137	112	112	0	0	0	0	0	25
Holyoke Community College	1,978	43	0	0	0	0	43	0	1,935
Lasell Junior College	231	0	0	0	0	0	0	0	231
Lesley College	1,180	552	309	0	0	0	243	0	628
Marian Court Junior Coll	51	0	0	0	0	0	0	0	51
Mass Bay Community Col	681	73	0	0	0	0	73	0	608
Mass Col Phar/Allied Hlth	590	50	50	0	0	0	0	0	540
Mass College of Art	574	0	0	0	0	0	0	0	574
Mass Inst of Technology	236,632	231,126	207,157	13,270	0	8,307	715	1,677	5,506
Mass Maritime Academy	289	0	0	0	0	0	0	0	289
Mass State Col Sys Off	30	30	30	0	0	0	0	0	0
Massasoit Community Col	1,542	0	0	0	0	0	0	0	1,542
Merrimack College	680	0	0	0	0	0	0	0	680
Middlesex Cmty Col (Mass)	1,381	0	0	0	0	0	0	0	1,381
Mount Holyoke College	1,854	633	448	0	185	0	0	0	1,221

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, trainee-ships, and training grants	General support science/engineering	Other science/engineering	
Massachusetts, cont'd									
Mount Ida Junior College	803	0	0	0	0	0	0	0	803
Mount Wachusett Cmty Col	1,568	0	0	0	0	0	0	0	1,568
N E Col of Optometry	259	0	0	0	0	0	0	0	259
New England School of Law	4	4	0	0	0	4	0	0	0
Newbury College	1,103	0	0	0	0	0	0	0	1,103
Nichols College	231	0	0	0	0	0	0	0	231
North Adams State College	1,290	0	0	0	0	0	0	0	1,290
North Shore Cmty College	1,664	0	0	0	0	0	0	0	1,664
Northeastern University	22,130	10,756	10,037	74	2	161	273	209	11,374
Northern Essex Cmty Col	2,087	0	0	0	0	0	0	0	2,087
Pine Manor College	156	0	0	0	0	0	0	0	156
Quincy Junior College	1,014	0	0	0	0	0	0	0	1,014
Quinsigamond Cmty College	1,369	22	0	0	22	0	0	0	1,347
Radcliffe College	1,811	337	337	0	0	0	0	0	1,474
Regis College	897	414	414	0	0	0	0	0	483
Roxbury Community College	2,250	0	0	0	0	0	0	0	2,250
Salem State College	2,951	7	0	0	7	0	0	0	2,944
Simmons College	2,434	819	739	0	0	0	80	0	1,615
Simon's Rock	416	70	70	0	0	0	0	0	346
Smith College	2,280	372	230	0	43	0	99	0	1,908
Southeastern Mass Univ	3,907	1,282	1,199	0	83	0	0	0	2,625
Springfield College	1,189	61	0	0	0	0	0	61	1,128
Springfield Tech Cmty Col	136	0	0	0	0	0	0	0	136
St John's Seminary	46	0	0	0	0	0	0	0	46
Stonehill College	613	46	46	0	0	0	0	0	567
Suffolk University	1,649	80	0	0	0	80	0	0	1,569
Swain Sch of Design	2	0	0	0	0	0	0	0	2
Tufts University	42,957	40,240	38,566	0	0	924	720	30	2,717
Univ of Mass System Off	626	563	563	0	0	0	0	0	63
University of Lowell	2,986	2,914	2,397	0	0	2	15	500	72
University of Massachuset	92,132	73,345	67,183	0	0	1,159	1,055	3,948	18,787
Wellesley College	2,420	1,149	1,079	0	43	0	27	0	1,271
Wentworth Inst of Tech	3,191	1,927	1,927	0	0	0	0	0	1,264
Western New England Col	1,239	120	106	0	0	14	0	0	1,119
Westfield State College	1,631	0	0	0	0	0	0	0	1,631
Wheaton College	622	0	0	0	0	0	0	0	622
Wheelock College	771	226	20	0	0	0	206	0	545
Williams College	1,789	842	684	0	158	0	0	0	947
Woods Hole Ocngrphic Inst	69,486	69,486	67,289	1,796	0	39	12	350	0
Worcester Poly Institute	3,342	2,046	1,830	0	185	18	13	0	1,296
Worcester State College	1,439	0	0	0	0	0	0	0	1,439
Michigan, total	503,019	293,896	259,265	2,621	944	13,190	5,214	12,662	209,123
Adrian College	1,307	43	0	0	43	0	0	0	1,264
Albion College	782	0	0	0	0	0	0	0	782
Alma College	985	157	32	0	125	0	0	0	828
Alpena Community College	1,939	0	0	0	0	0	0	0	1,939
Andrews University	1,775	68	68	0	0	0	0	0	1,707
Aquinas College	1,436	0	0	0	0	0	0	0	1,436
Baker Col-Jewell Col Sys	3,762	0	0	0	0	0	0	0	3,762
Bay De Noc Community Col	2,026	0	0	0	0	0	0	0	2,026
Calvin College	2,750	310	232	0	78	0	0	0	2,440
Calvin Theol Seminary	2	0	0	0	0	0	0	0	2
Central Michigan Univ	8,525	274	21	0	119	0	134	0	8,251
Charles Stewart Mott C C	4,347	0	0	0	0	0	0	0	4,347
Cleary College	570	0	0	0	0	0	0	0	570
Concordia College	559	0	0	0	0	0	0	0	559
Cranbrook Acad of Art	229	0	0	0	0	0	0	0	229
Davenport College	4,834	0	0	0	0	0	0	0	4,834
Delta College	4,041	8	0	0	0	0	8	0	4,033
Detroit Col of Bus Admin	3,349	0	0	0	0	0	0	0	3,349
Eastern Michigan Univ	7,261	869	569	0	66	0	69	165	6,392
Ferris State College	6,935	25	0	0	25	0	0	0	6,910
Glen Oaks Cmty College	483	0	0	0	0	0	0	0	483
Gogebic Community College	1,425	40	0	0	0	0	0	40	1,385
Grace Bible College	100	0	0	0	0	0	0	0	100
Grand Rapids Bapt Col&Sem	719	0	0	0	0	0	0	0	719
Grand Rapids Junior Col	692	0	0	0	0	0	0	0	692
Grand Valley State Univ	6,724	369	369	0	0	0	0	0	6,355
Great Lakes Bible College	128	0	0	0	0	0	0	0	128
Great Lakes JC of Busines	2,291	0	0	0	0	0	0	0	2,291
GMI Engr/Management Inst	37	37	32	0	5	0	0	0	0
Henry Ford Community Col	2,877	0	0	0	0	0	0	0	2,877
Highland Park Cmty Col	2,627	0	0	0	0	0	0	0	2,627
Hillsdale College	1	0	0	0	0	0	0	0	1
Hope College	2,106	604	514	0	90	0	0	0	1,502
Jackson Community College	3,213	0	0	0	0	0	0	0	3,213
Jordan College	4,400	0	0	0	0	0	0	0	4,400

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Michigan, cont'd									
Kalamazoo College	1,123	88	20	0	0	0	68	0	1,035
Kalamazoo Valley Cmty Col	1,769	45	0	0	0	0	45	0	1,724
Kellogg Community College	1,693	0	0	0	0	0	0	0	1,693
Kirtland Community Col	895	0	0	0	0	0	0	0	895
Lake Michigan College	842	0	0	0	0	0	0	0	842
Lake Superior State Col	1,917	0	0	0	0	0	0	0	1,917
Lansing Community College	5,357	0	0	0	0	0	0	0	5,357
Lawrence Technical Univ	52	52	0	0	52	0	0	0	0
Macomb County Cmty Col	2,889	0	0	0	0	0	0	0	2,889
Madonna College	1,338	184	150	0	0	0	34	0	1,154
Marygrove College	2,249	25	25	0	0	0	0	0	2,224
Mercy College of Detroit	1,503	0	0	0	0	0	0	0	1,503
Michigan Christian Col	335	0	0	0	0	0	0	0	335
Michigan State University	87,914	69,762	54,382	1,465	0	1,614	1,224	11,077	18,152
Michigan Tech University	8,453	5,102	4,725	0	28	18	23	308	3,351
Mid Michigan Cmty College	884	0	0	0	0	0	0	0	884
Monroe County Cmty Col	612	0	0	0	0	0	0	0	612
Montcalm Community Col	1,428	0	0	0	0	0	0	0	1,428
Muskegon Community Col	1,466	0	0	0	0	0	0	0	1,466
Nazareth College	384	0	0	0	0	0	0	0	384
North Central Mich Col	931	0	0	0	0	0	0	0	931
Northern Michigan Univ	6,368	42	42	0	0	0	0	0	6,326
Northwestern Michigan Col	2,024	47	0	0	27	0	20	0	1,977
Northwood Institute	1,820	0	0	0	0	0	0	0	1,820
Oakland Community College	3,903	163	89	0	0	0	0	74	3,740
Oakland University	2,617	2,598	2,536	0	0	0	62	0	19
Olivet College	984	0	0	0	0	0	0	0	984
Reformed Bible College	139	0	0	0	0	0	0	0	139
Sacred Heart Seminary Col	13	0	0	0	0	0	0	0	13
Saginaw Valley State Col	3,526	200	0	0	22	0	0	178	3,326
Schoolcraft College	1,053	0	0	0	0	0	0	0	1,053
Siena Heights College	1,114	0	0	0	0	0	0	0	1,114
Society of Arts & Crafts	486	0	0	0	0	0	0	0	486
Southwestern Michigan Col	1,110	0	0	0	0	0	0	0	1,110
Spring Arbor College	1,284	0	0	0	0	0	0	0	1,284
St Clair County Cmty Col	1,274	0	0	0	0	0	0	0	1,274
St Mary's Col (Mich)	92	0	0	0	0	0	0	0	92
Suomi College	1,739	0	0	0	0	0	0	0	1,739
Thomas M Cooley Law Sch	339	73	0	0	0	0	73	0	266
University of Detroit	3,820	277	213	0	0	0	0	64	3,543
University of Michigan	198,199	182,243	167,865	1,156	199	10,607	1,922	494	15,956
Walsh Col Acctg&Bus Admin	281	0	0	0	0	0	0	0	281
Washtenaw Community Col	1,991	0	0	0	0	0	0	0	1,991
Wayne County Cmty College	10,493	67	0	0	0	0	67	0	10,426
Wayne State University	39,107	28,953	26,945	0	0	951	1,053	4	10,154
West Shore Community Col	728	0	0	0	0	0	0	0	728
Western Michigan Univ	9,053	1,171	436	0	65	0	412	258	7,882
William Tyndale College	191	0	0	0	0	0	0	0	191
Minnesota, total	290,277	181,606	133,439	27,383	631	5,079	3,219	11,855	108,671
Alexandria Technical Col	1,565	0	0	0	0	0	0	0	1,565
Anoka-Ramsey Cmty College	1,727	0	0	0	0	0	0	0	1,727
Arrowhead CC-Hibbing Cam	2,199	303	0	0	0	0	68	235	1,896
Augsburg College	1,993	40	40	0	0	0	0	0	1,953
Austin Cmty Col (Minn)	709	0	0	0	0	0	0	0	709
Bemidji State University	5,357	74	9	0	65	0	0	0	5,283
Bethany Lutheran College	293	0	0	0	0	0	0	0	293
Bethel College & Seminary	1,346	0	0	0	0	0	0	0	1,346
Brainerd Community Col	980	0	0	0	0	0	0	0	980
Brown Institute	249	0	0	0	0	0	0	0	249
Carleton College	1,268	124	61	0	63	0	0	0	1,144
College of St Benedict	1,808	0	0	0	0	0	0	0	1,808
College of St Catherine	1,960	23	0	0	23	0	0	0	1,937
College of St Scholastica	2,384	375	85	0	10	11	0	269	2,009
College of St Teresa	39	0	0	0	0	0	0	0	39
College of St Thomas	1,972	42	20	0	22	0	0	0	1,930
College Associated Arts	105	0	0	0	0	0	0	0	105
Concordia Col Moorhead	2,307	103	93	0	10	0	0	0	2,204
Concordia Col St Paul	1,025	0	0	0	0	0	0	0	1,025
Dakota Co Area Voc-Tech	1,066	0	0	0	0	0	0	0	1,066
Dr Martin Luther College	405	0	0	0	0	0	0	0	405
Fergus Falls Cmty College	782	0	0	0	0	0	0	0	782
Gustavus Adolphus College	1,527	8	8	0	0	0	0	0	1,519
Hamline University	2,174	371	0	0	74	0	159	138	1,803
Inver Hills Cmty College	1,442	269	269	0	0	0	0	0	1,173
Lakewood Community Col	1,669	0	0	0	0	0	0	0	1,669
Luther Northwest Theo Sem	140	0	0	0	0	0	0	0	140
Macalester College	1,831	666	503	0	163	0	0	0	1,165

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Minnesota, cont'd									
Mankato State University	8,173	383	229	0	31	0	26	97	7,790
Medical Institute of Minn	385	0	0	0	0	0	0	0	385
Metro State Univ	1,668	1,052	935	0	0	0	0	117	616
Minneapolis Community Col	2,734	0	0	0	0	0	0	0	2,734
Minnesota Bible College	60	0	0	0	0	0	0	0	60
Moorhead State University	5,981	192	192	0	0	0	0	0	5,789
Normandale Community Col	1,652	109	0	0	25	0	84	0	1,543
North Central Bible Col	1,015	0	0	0	0	0	0	0	1,015
North Hennepin Cmty Col	1,237	0	0	0	0	0	0	0	1,237
Northland Cmty College	648	0	0	0	0	0	0	0	648
Northwest Technical Inst	47	0	0	0	0	0	0	0	47
Northwestern Col (Minn)	554	0	0	0	0	0	0	0	554
Northwstrn Col of Chiro	362	0	0	0	0	0	0	0	362
Pillsbury Bptst Bible C	364	0	0	0	0	0	0	0	364
Rochester Community Col	522	0	0	0	0	0	0	0	522
Southwest State Univ	2,386	67	65	0	0	2	0	0	2,319
St Cloud State University	6,624	175	67	0	33	0	75	0	6,449
St John's University	1,340	56	0	0	0	0	56	0	1,284
St Mary's College	956	61	52	0	9	0	0	0	895
St Olaf College	2,143	387	168	0	59	0	160	0	1,756
St Paul Bible Col	796	0	0	0	0	0	0	0	796
St Paul Tech Voc Inst	2,824	645	0	0	0	0	0	645	2,179
St U Sys of Minn-Sys Off	1,983	1,983	1,916	0	0	0	0	67	0
University of Minnesota	203,183	174,043	128,727	27,383	44	5,066	2,536	10,287	29,140
Willmar Community College	1,136	0	0	0	0	0	0	0	1,136
Winona State University	226	0	0	0	0	0	0	0	226
Wm Mitchell Col of Law	416	55	0	0	0	0	55	0	361
Worthington Community Col	540	0	0	0	0	0	0	0	540
Mississippi, total	157,578	55,277	36,227	2,813	113	1,344	2,621	12,159	102,301
Alcorn State University	8,086	3,146	1,447	0	0	163	0	1,536	4,940
Belhaven College	471	0	0	0	0	0	0	0	471
Blue Mountain College	375	0	0	0	0	0	0	0	375
Clarke College	200	0	0	0	0	0	0	0	200
Coahoma Community College	3,389	36	0	0	0	36	0	0	3,353
Copiah-Lincoln Jr Col	1,227	0	0	0	0	0	0	0	1,227
Delta State University	2,629	0	0	0	0	0	0	0	2,629
East Central Comm Col	827	0	0	0	0	0	0	0	827
East Mississippi Comm Col	592	0	0	0	0	0	0	0	592
Hinds J Co Dist Utica Cam	101	0	0	0	0	0	0	0	101
Hinds Junior College	6,000	48	0	0	0	0	48	0	5,952
Holmes Junior College	2,401	7	0	0	7	0	0	0	2,394
Itawamba Junior College	1,843	0	0	0	0	0	0	0	1,843
Jackson State University	18,189	4,743	3,204	0	12	483	937	107	13,446
Jones County Junior Col	2,508	0	0	0	0	0	0	0	2,508
Mary Holmes College	2,611	356	0	0	56	0	300	0	2,255
Meridian Junior College	1,809	25	25	0	0	0	0	0	1,784
Millsaps College	689	14	0	0	14	0	0	0	675
Miss Glf Cst JC Perkinstn	4,825	0	0	0	0	0	0	0	4,825
Miss University for Women	1,235	0	0	0	0	0	0	0	1,235
Miss Valley State Univ	6,788	630	606	0	0	24	0	0	6,158
Miss-Ala Sea Grant Cnsrtm	1,011	1,011	1,011	0	0	0	0	0	0
Mississippi College	1,530	24	0	0	24	0	0	0	1,506
Mississippi Delta Jr Col	1,449	0	0	0	0	0	0	0	1,449
Mississippi State Univ	31,186	23,692	13,541	0	0	111	304	9,736	7,494
Northeast Miss Junior Col	1,703	0	0	0	0	0	0	0	1,703
Northwest Miss Junior Col	3,092	107	0	0	0	0	0	107	2,985
Pearl River Junior Col	1,727	0	0	0	0	0	0	0	1,727
Phillips Col of Jackson	1,159	0	0	0	0	0	0	0	1,159
Phillips College	1,737	0	0	0	0	0	0	0	1,737
Prentiss Norm & Ind Inst	185	0	0	0	0	0	0	0	185
Rust College	5,609	229	52	0	0	14	163	0	5,380
Southeastern Baptist Col	103	0	0	0	0	0	0	0	103
Southwest Miss Junior Col	651	0	0	0	0	0	0	0	651
Tougaloo College	3,676	435	0	0	0	179	256	0	3,241
Univ of Sthrn Mississippi	14,322	5,369	2,325	2,425	0	118	185	316	8,953
University of Mississippi	20,146	15,405	14,016	388	0	216	428	357	4,741
Wesley College	70	0	0	0	0	0	0	0	70
William Carey College	1,040	0	0	0	0	0	0	0	1,040
Wood Junior College	387	0	0	0	0	0	0	0	387
Missouri, total	284,354	178,774	150,269	354	206	10,789	3,734	13,422	105,580
Assemblies of God Grad Sc	46	0	0	0	0	0	0	0	46
Avila College	627	0	0	0	0	0	0	0	627
Baptist Bible College	763	0	0	0	0	0	0	0	763
Basic Institute of Tech	40	0	0	0	0	0	0	0	40
Calvary Bible Col	236	0	0	0	0	0	0	0	236

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Missouri, cont'd									
Central Bible College	1,027	0	0	0	0	0	0	0	1,027
Central Methodist College	1,006	0	0	0	0	0	0	0	1,006
Central Missouri St Univ	5,449	86	36	0	0	0	50	0	5,363
Cleveland Chiro College	101	0	0	0	0	0	0	0	101
Cntrl Christian Col Bible	63	0	0	0	0	0	0	0	63
Columbia College (MO)	1,096	0	0	0	0	0	0	0	1,096
Conception Sem College	74	0	0	0	0	0	0	0	74
Concordia Seminary	87	0	0	0	0	0	0	0	87
Cottey College	141	0	0	0	0	0	0	0	141
Crowder College	1,123	80	0	0	0	80	0	0	1,043
Culver-Stockton College	742	0	0	0	0	0	0	0	742
Drury College	682	12	12	0	0	0	0	0	670
East Cntrl MO Dist Jr Col	867	0	0	0	0	0	0	0	867
Eden Theological Seminary	7	0	0	0	0	0	0	0	7
Evangel College	1,539	0	0	0	0	0	0	0	1,539
Fontbonne College	410	0	0	0	0	0	0	0	410
Hannibal-La Grange Col	607	0	0	0	0	0	0	0	607
Harris Stowe State Col	2,160	325	0	0	0	0	0	325	1,835
ITT Tech Inst-St. Louis	212	0	0	0	0	0	0	0	212
Jefferson College	1,400	0	0	0	0	0	0	0	1,400
Kansas City Art Inst	642	0	0	0	0	0	0	0	642
Kemper Military Sch & Col	142	0	0	0	0	0	0	0	142
Kirksville Col Osteo Med	1,177	237	224	0	0	0	13	0	940
Lincoln University (MO)	5,931	3,642	1,674	0	0	163	186	1,619	2,289
Longview Community Col	1,089	0	0	0	0	0	0	0	1,089
Maple Woods Community Col	671	0	0	0	0	0	0	0	671
Maryville College	556	0	0	0	0	0	0	0	556
Metro CC Adm Ctr Sys Off	329	0	0	0	0	0	0	0	329
Mineral Area College	1,699	0	0	0	0	0	0	0	1,699
Missouri Baptist College	326	0	0	0	0	0	0	0	326
Missouri Southern St Col	3,496	4	4	0	0	0	0	0	3,492
Missouri Valley College	1,423	0	0	0	0	0	0	0	1,423
Missouri Western St Col	2,877	0	0	0	0	0	0	0	2,877
Moberly Area Junior Col	730	0	0	0	0	0	0	0	730
Northeast Missouri St U	2,747	143	65	0	78	0	0	0	2,604
Northwest Missouri St U	2,957	0	0	0	0	0	0	0	2,957
Ozark Bible College	504	0	0	0	0	0	0	0	504
Park College	3,140	0	0	0	0	0	0	0	3,140
Penn Valley Community C	1,741	0	0	0	0	0	0	0	1,741
Research Col of Nursing	84	0	0	0	0	0	0	0	84
Rockhurst College	923	100	0	0	100	0	0	0	823
Saint Louis Rabbinical C	38	0	0	0	0	0	0	0	38
School of the Ozarks	1,774	0	0	0	0	0	0	0	1,774
Southeast Missouri St U	5,438	524	424	0	20	0	80	0	4,914
Southwest Baptist College	2,493	0	0	0	0	0	0	0	2,493
Southwest Missouri St U	8,917	439	83	0	0	40	153	163	8,478
St Louis Christian Coll	73	0	0	0	0	0	0	0	73
St Louis Col of Pharmacy	576	0	0	0	0	0	0	0	576
St Louis Community Col	6,048	86	0	0	8	0	78	0	5,962
St Louis University	17,520	12,476	11,590	0	0	435	431	20	5,044
State Fair Community Col	1	0	0	0	0	0	0	0	1
Stephens College	272	0	0	0	0	0	0	0	272
Tarkio College	1,440	0	0	0	0	0	0	0	1,440
The Lindenwood Colleges	510	0	0	0	0	0	0	0	510
Three Rivers Cmty College	1,576	0	0	0	0	0	0	0	1,576
Trenton Junior College	418	0	0	0	0	0	0	0	418
Univ of Health Sciences	121	0	0	0	0	0	0	0	121
Univ of Missouri Columbia	43,503	35,006	23,042	0	0	831	287	10,846	8,497
Univ of Missouri Kan City	5,361	3,954	3,641	0	0	276	37	0	1,407
Univ of Missouri Rolla	5,102	3,480	3,480	0	0	0	0	0	1,622
Univ of Missouri St Louis	4,704	2,063	2,063	0	0	0	0	0	2,641
Univ of Missouri Sys Off	1,005	957	957	0	0	0	0	0	48
Washington University	120,764	115,160	102,974	354	0	8,964	2,419	449	5,604
Webster University	1,059	0	0	0	0	0	0	0	1,059
Wentworth Military Acad	241	0	0	0	0	0	0	0	241
Westminster College	271	0	0	0	0	0	0	0	271
William Jewell College	1,000	0	0	0	0	0	0	0	1,000
William Woods College	440	0	0	0	0	0	0	0	440
Montana, total	40,921	15,588	10,414	49	43	234	1,231	3,617	25,333
Blackfeet Community Col	1,310	342	0	0	0	0	100	242	968
Carroll College	962	0	0	0	0	0	0	0	962
College of Great Falls	1,413	0	0	0	0	0	0	0	1,413
Dawson Community College	390	0	0	0	0	0	0	0	390
Dull Knife Memorial Col	797	93	0	0	0	0	93	0	704
Eastern Montana College	2,937	372	18	0	0	24	151	189	2,565
Flathead Valley Cmty Col	821	0	0	0	0	0	0	0	821
Fort Belknap College	248	0	0	0	0	0	0	0	248

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Montana, cont'd									
Fort Peck Cmty College	375	0	0	0	0	0	0	0	375
Little Big Horn College	919	231	0	0	0	0	122	109	688
Miles Community College	960	0	0	0	0	0	0	0	960
Mont Col Minrl Sci & Tech	1,007	181	138	0	43	0	0	0	826
Montana State University	18,598	10,887	7,166	49	0	140	474	3,058	7,711
Montana U Sys-System Off	286	65	46	0	0	0	0	19	221
Northern Montana College	1,700	80	0	0	0	80	0	0	1,620
Rocky Mountain College	903	0	0	0	0	0	0	0	903
Salish Kootenai Cmty Col	717	0	0	0	0	0	0	0	717
Stone Child College	271	0	0	0	0	0	0	0	271
University of Montana	4,319	3,088	3,046	0	0	0	22	0	1,251
Western Montana College	1,988	269	0	0	0	0	269	0	1,719
Nebraska, total	80,646	36,312	27,462	242	45	346	1,314	6,903	44,334
Bellevue College	637	0	0	0	0	0	0	0	637
Bishop Clarkson Mem Hosp Col	116	0	0	0	0	0	0	0	116
Chadron State College	2,128	62	62	0	0	0	0	0	2,066
College of St Mary	652	0	0	0	0	0	0	0	652
Concordia Teachers Col	835	0	0	0	0	0	0	0	835
Creighton University	7,143	2,467	2,403	0	12	0	52	0	4,676
Dana College	521	0	0	0	0	0	0	0	521
Doane College	852	56	32	0	24	0	0	0	796
Grace Col of the Bible	241	0	0	0	0	0	0	0	241
Hastings College	821	0	0	0	0	0	0	0	821
Kearney State College	4,894	0	0	0	0	0	0	0	4,894
Metropolitan Comm Col	1,456	0	0	0	0	0	0	0	1,456
Mid Plains Cmty Col Area	636	0	0	0	0	0	0	0	636
Midland Lutheran College	973	0	0	0	0	0	0	0	973
Nebraska Christian Col	102	0	0	0	0	0	0	0	102
Nebraska Indian Cmty Col	314	0	0	0	0	0	0	0	314
Nebraska Wesleyan Univ	1,037	53	44	0	9	0	0	0	984
Peru State College	1,475	59	59	0	0	0	0	0	1,416
S E Cmty Col - Lincoln	1	0	0	0	0	0	0	0	1
Southeast Neb Tech CC	996	0	0	0	0	0	0	0	996
U of Neb Med Ctr at Omaha	11,683	9,866	9,001	0	0	139	417	309	1,817
U Neb Ctrl Admin Sys Off	323	223	171	0	0	0	0	52	100
Union College (Neb)	689	0	0	0	0	0	0	0	689
Univ of Nebraska at Omaha	5,739	597	269	0	0	0	189	139	5,142
Univ of Nebraska-Lincoln	34,197	22,910	15,402	242	0	207	656	6,403	11,287
Wayne State College	1,836	19	19	0	0	0	0	0	1,817
York College	349	0	0	0	0	0	0	0	349
Nevada, total	25,308	15,991	14,113	0	34	286	286	1,272	9,317
Clark County Cmty College	951	3	3	0	0	0	0	0	948
Desert Research Institute	1,636	1,636	1,636	0	0	0	0	0	0
Northern Nevada Cmty Col	141	0	0	0	0	0	0	0	141
Sierra Nevada College	96	0	0	0	0	0	0	0	96
Truckee Meadows Cmty Col	1,581	0	0	0	0	0	0	0	1,581
U of Nev Sys Adm Sys Off	1,303	1,303	1,303	0	0	0	0	0	0
Univ of Nevada - Reno	12,915	9,792	7,998	0	0	236	286	1,272	3,123
Univ of Nevada Las Vegas	6,343	3,257	3,173	0	34	50	0	0	3,086
Western Nevada Cmty Col	342	0	0	0	0	0	0	0	342
New Hampshire, total	55,679	40,663	37,007	0	0	1,006	413	2,237	15,016
Castle Junior College	31	0	0	0	0	0	0	0	31
Colby-Sawyer College	187	0	0	0	0	0	0	0	187
Dartmouth College	28,398	25,139	24,065	0	0	603	264	207	3,259
Franklin Pierce College	2,390	0	0	0	0	0	0	0	2,390
Hesser College	760	0	0	0	0	0	0	0	760
Keene State College	1,599	100	100	0	0	0	0	0	1,499
McIntosh College	167	0	0	0	0	0	0	0	167
Merrimack Valley Col-Unh	60	0	0	0	0	0	0	0	60
Nathaniel Hawthorne Col	8	0	0	0	0	0	0	0	8
New England College	1,219	0	0	0	0	0	0	0	1,219
New Hampshire College	974	48	0	0	0	48	0	0	926
New Hampshire Tech Inst	416	169	149	0	0	0	0	20	247
Notre Dame College (NH)	225	0	0	0	0	0	0	0	225
NH Tech Col-Berlin	570	299	0	0	0	0	0	299	271
NH Tech Col-Claremont	222	0	0	0	0	0	0	0	222
NH Tech Col-Laconia	93	0	0	0	0	0	0	0	93
NH Tech Col-Manchester	269	0	0	0	0	0	0	0	269
NH Tech Col-Stratham	132	0	0	0	0	0	0	0	132
Plymouth St Col-Univ N H	1,639	0	0	0	0	0	0	0	1,639
Rivier College	242	0	0	0	0	0	0	0	242
School Life Long Learning	111	111	0	0	0	0	0	0	0
St Anselm College	1,060	37	0	0	0	0	44	67	1,023
							37	0	

See explanatory material at end of table.

(Continued)

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[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
New Hampshire, cont'd									
Univ of New Hampshire	14,510	14,489	12,472	0	0	355	18	1,644	21
Univ Sys of N Hamp Sys Of	352	271	221	0	0	0	50	0	81
White Pines College	45	0	0	0	0	0	0	0	45
New Jersey, total	224,745	137,472	120,772	1,357	313	6,186	2,069	6,775	87,273
Atlantic Community Col	995	0	0	0	0	0	0	0	995
Bergen Community College	1,368	0	0	0	0	0	0	0	1,368
Bloomfield College	1,388	0	0	0	0	0	0	0	1,388
Brookdale Community Col	858	0	0	0	0	0	0	0	858
Burlington County College	727	175	0	0	0	0	0	175	552
Caldwell College	260	0	0	0	0	0	0	0	260
Camden County College	1,635	0	0	0	0	0	0	0	1,635
Centenary College	375	0	0	0	0	0	0	0	375
College of St Elizabeth	233	0	0	0	0	0	0	0	233
County College of Morris	816	0	0	0	0	0	0	0	816
Cumberland County College	873	0	0	0	0	0	0	0	873
Don Bosco College	20	0	0	0	0	0	0	0	20
Drew University	812	18	0	0	18	0	0	0	794
Essex County College	4,518	13	13	0	0	0	0	0	4,505
Fairleigh Dickinson Univ	3,628	192	40	0	0	11	0	141	3,436
Felician College (NJ)	189	0	0	0	0	0	0	0	189
Georgian Court College	722	0	0	0	0	0	0	0	722
Glassboro State College	3,487	123	0	0	0	0	0	123	3,364
Gloucester County College	850	0	0	0	0	0	0	0	850
Hudson Cnty CC Comm	2,549	0	0	0	0	0	0	0	2,549
Jersey City State College	2,731	0	0	0	0	0	0	0	2,731
Kean Col of New Jersey	2,657	185	0	0	0	0	29	156	2,472
Mercer County Cmty Col	1,557	0	0	0	0	0	0	0	1,557
Middlesex County College	1,035	30	0	0	0	0	0	30	1,005
Monmouth College (NJ)	1,111	45	45	0	0	0	0	0	1,066
Montclair State College	3,734	11	0	0	11	0	0	0	3,723
N J Inst of Technology	5,337	3,045	2,970	0	61	14	0	0	2,292
Northeastern Bible Col	56	0	0	0	0	0	0	0	56
Ocean County College	845	0	0	0	0	0	0	0	845
Passaic County Cmty Col	1,981	190	0	0	0	0	190	0	1,791
Princeton Theol Sem	96	0	0	0	0	0	0	0	96
Princeton University	54,695	51,396	47,037	125	0	3,694	524	16	3,299
Rabbinical C of America	230	0	0	0	0	0	0	0	230
Ramapo College of N J	1,454	30	0	0	0	0	30	0	1,424
Rider College	1,653	173	129	0	44	0	0	0	1,480
Rutgers the St Univ of NJ	61,238	44,705	36,241	243	79	1,952	636	5,554	16,533
Salem Community College	611	0	0	0	0	0	0	0	611
Seton Hall University	4,148	360	72	0	0	0	82	206	3,788
Somerset County College	463	0	0	0	0	0	0	0	463
St Peter's College	1,609	0	0	0	0	0	0	0	1,609
Stevens Institute of Tech	3,938	2,076	1,856	0	0	0	0	220	1,862
Stockton State College	1,837	0	0	0	0	0	0	0	1,837
Talmudical Inst Ctrl Jers	38	0	0	0	0	0	0	0	38
Thomas A Edison College	11	0	0	0	0	0	0	0	11
Trenton State College	1,857	172	0	0	100	0	72	0	1,685
Union County College	1,470	0	0	0	0	0	0	0	1,470
Univ of Med & Dent of N J	38,932	34,417	32,369	989	0	499	506	54	4,515
Upsala College	1,139	0	0	0	0	0	0	0	1,139
William Paterson College	1,979	116	0	0	0	16	0	100	1,863
New Mexico, total	126,652	85,426	74,134	0	18	1,103	2,642	7,529	41,226
Col of the Southwest	158	0	0	0	0	0	0	0	158
College of Santa Fe	1,380	78	0	0	0	0	78	0	1,302
Eastern New Mexico Univ	6,382	187	0	0	0	0	0	187	6,195
N Mex Inst Mining & Tech	5,857	4,872	4,840	0	18	14	0	0	985
New Mexico Highlands Univ	3,856	696	72	0	0	0	282	342	3,160
New Mexico Junior College	511	0	0	0	0	0	0	0	511
New Mexico Military Inst	221	0	0	0	0	0	0	0	221
New Mexico State Univ	58,424	50,372	44,210	0	0	349	683	5,130	8,052
Nrthrn N Mex Cmty Col	1,916	34	5	0	0	0	0	29	1,882
San Juan College	1,129	10	10	0	0	0	0	0	1,119
Santa Fe Community Col	419	0	0	0	0	0	0	0	419
Univ of Albuquerque	162	162	162	0	0	0	0	0	0
University of New Mexico	44,616	29,015	24,835	0	0	740	1,599	1,841	15,601
Western New Mexico Univ	1,621	0	0	0	0	0	0	0	1,621
New York, total	1,447,386	957,265	843,497	10,628	1,975	33,863	17,875	49,427	490,121
Academy of Aeronautics	1,137	0	0	0	0	0	0	0	1,137
Adelphi University	3,818	457	336	0	0	0	0	121	3,361
Albany Col of Pharmacy	473	0	0	0	0	0	0	0	473
Albany Medical College	7,786	6,894	6,239	0	0	520	135	0	892

See explanatory material at end of table.

(Continued)

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Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
New York, cont'd									
Alfred University	2,024	505	465	0	22	0	0	18	1,519
Assoc Beth Rivkah Schools	311	0	0	0	0	0	0	0	311
Bais Fruma	3,322	0	0	0	0	0	0	0	3,322
Bank Street Col of Ed	1,628	1,592	1,008	0	0	0	150	434	36
Bard College	764	65	30	0	35	0	0	0	699
Barnard College	1,851	776	614	0	124	20	18	0	1,075
Belzer Yesh-Machzikei Sem	1,492	0	0	0	0	0	0	0	1,492
Beth Hatalmud Col	116	0	0	0	0	0	0	0	116
Beth Israel Sch Nursing	91	0	0	0	0	0	0	0	91
Beth Jacob Hebr Tchrs Col	1,557	0	0	0	0	0	0	0	1,557
Beth Medrash Emek Halach	41	0	0	0	0	0	0	0	41
Beth Medrash Eyron Hatal	1,065	0	0	0	0	0	0	0	1,065
Bnos Jerusalem Seminary	1,211	0	0	0	0	0	0	0	1,211
Boricua College	3,121	0	0	0	0	0	0	0	3,121
Bramson Ort Tech Inst	959	0	0	0	0	0	0	0	959
Brooklyn Law School	105	0	0	0	0	0	0	0	105
Bryant & Stratton Bus In-Syr	2,093	0	0	0	0	0	0	0	2,093
Bryant&Stratton Bus Inst-Roch	2,232	0	0	0	0	0	0	0	2,232
Bryant-Stratton Bus Inst-Buff	2,761	0	0	0	0	0	0	0	2,761
Canisius College	3,155	100	0	0	100	0	0	0	3,055
Cathedral Col Immac Concp	1	0	0	0	0	0	0	0	1
Cayuga County Cmty Col	1,301	0	0	0	0	0	0	0	1,301
Cazenovia College	891	0	0	0	0	0	0	0	891
Clarkson University	5,833	3,958	3,860	0	0	36	62	0	1,875
Col of Insurance	37	0	0	0	0	0	0	0	37
Col of Mount St Vincent	622	16	0	0	16	0	0	0	606
Colgate University	1,399	324	241	0	83	0	0	0	1,075
College for Human Service	1,295	0	0	0	0	0	0	0	1,295
College of New Rochelle	5,152	396	396	0	0	0	0	0	4,756
College of St Rose	1,017	30	0	0	30	0	0	0	987
Columbia U Teachers Col	3,749	3,206	1,646	0	0	0	731	829	543
Columbia Univ Main Div	178,910	165,056	150,263	3,764	0	8,090	1,845	1,094	13,854
Concordia College (NY)	243	0	0	0	0	0	0	0	243
Cooper Union	446	96	0	0	96	0	0	0	350
Cornell University	192,077	181,492	139,954	2,877	0	6,200	1,483	30,978	10,585
Culinary Inst of America	1,029	0	0	0	0	0	0	0	1,029
CUNY Bernard Baruch Col	549	491	491	0	0	0	0	0	58
CUNY Boro of Man Cmty Col	14	14	14	0	0	0	0	0	0
CUNY Bronx Cmty College	716	608	0	0	0	66	542	0	108
CUNY Brooklyn College	1,916	1,916	1,520	0	0	262	16	118	0
CUNY Central Sys Off	111,981	5,226	1,499	0	33	134	1,725	1,835	106,755
CUNY City College	13,734	13,006	11,540	0	0	221	1,106	139	728
CUNY Col Staten Island	544	385	373	0	0	0	12	0	159
CUNY Grad Sch & Univ Ctr	2,186	2,186	2,105	0	0	40	37	4	0
CUNY Hostos Cmty College	92	0	0	0	0	0	0	0	92
CUNY Hunter College	5,828	5,181	4,360	0	31	490	300	0	647
CUNY Jhn Jay Col Crim Jus	429	218	218	0	0	0	0	0	211
CUNY Kingsboro Cmty Col	1	0	0	0	0	0	0	0	1
CUNY Laguardia Cmty Col	113	0	0	0	0	0	0	0	113
CUNY Lehman College	1,084	878	380	0	16	76	406	0	206
CUNY Medgar Evers College	234	234	0	0	29	47	158	0	0
CUNY NY City Tech Col	911	808	80	0	0	0	0	726	105
CUNY Queens College	1,377	1,377	1,343	0	0	0	34	0	0
CUNY York College	1,203	1,061	446	0	38	0	577	0	142
D'Youville College	1,179	140	0	0	0	0	75	65	1,039
Daemen College	1,550	0	0	0	0	0	0	0	1,550
Darkei No'am Rabbinical C	32	0	0	0	0	0	0	0	32
Derech Ayson Rabbin Sem	1,207	0	0	0	0	0	0	0	1,207
Dominican Col of Blauvelt	288	0	0	0	0	0	0	0	288
Dowling College	1,640	0	0	0	0	0	0	0	1,640
Elizabeth Seton College	742	0	0	0	0	0	0	0	742
Elmira College	762	0	0	0	0	0	0	0	762
Erie Cmty Col City Cam	3,633	0	0	0	0	0	0	0	3,633
Erie Cmty Col South Cam	1,386	0	0	0	0	0	0	0	1,386
Five Towns College	375	0	0	0	0	0	0	0	375
Fordham University	6,069	2,441	1,826	0	0	294	90	231	3,628
Friends World College	213	0	0	0	0	0	0	0	213
Hadar H Rabbinical Sem	65	0	0	0	0	0	0	0	65
Hamilton College	1,159	351	266	0	85	0	0	0	808
Hartwick College	790	0	0	0	0	0	0	0	790
Hilbert College	579	0	0	0	0	0	0	0	579
Hobart-Wm Smith Colleges	971	134	0	0	15	0	0	119	837
Hofstra University	3,985	415	223	0	0	0	0	192	3,570
Houghton College	993	6	0	0	6	0	0	0	987
Interboro Institute	1,363	0	0	0	0	0	0	0	1,363
Iona College	2,288	55	55	0	0	0	0	0	2,233
Ithaca College	2,761	385	156	0	178	0	0	51	2,376
Jamestown Bus College	459	0	0	0	0	0	0	0	459
Jewish Theol Sem of Amer	194	0	0	0	0	0	0	0	194

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 23 of 38)

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
New York, cont'd									
Juilliard School	549	0	0	0	0	0	0	0	549
Katherine Gibbs School	693	0	0	0	0	0	0	0	693
Kehilath Yakov Rab Sem	153	0	0	0	0	0	0	0	153
Keuka College	830	0	0	0	0	0	0	0	830
King's College (NY)	347	0	0	0	0	0	0	0	347
Kol Yaakov Torah Center	52	0	0	0	0	0	0	0	52
Lab Inst of Merchandising	112	0	0	0	0	0	0	0	112
Le Moyne College	1,135	0	0	0	0	0	0	0	1,135
Long Island University	8,632	974	43	0	0	191	264	476	7,658
LI Sem Jew Stud Women	80	0	0	0	0	0	0	0	80
Manhattan College	1,791	484	360	0	44	0	80	0	1,307
Manhattanville College	514	0	0	0	0	0	0	0	514
Mannes Col of Music	70	0	0	0	0	0	0	0	70
Maria College of Albany	320	0	0	0	0	0	0	0	320
Maria Regina College	13	0	0	0	0	0	0	0	13
Marist College	2,908	0	0	0	0	0	0	0	2,908
Marymount College (NY)	886	12	0	0	12	0	0	0	874
Marymount Manhattan Col	1,047	0	0	0	0	0	0	0	1,047
Mater Dei College	582	0	0	0	0	0	0	0	582
Medaille College	1,402	0	0	0	0	0	0	0	1,402
Mercy College	4,561	66	0	0	0	0	0	66	4,495
Mes Tor Yodaath Rabin Sem	232	0	0	0	0	0	0	0	232
Mesivta Estn Pkwy Rab Sem	53	0	0	0	0	0	0	0	53
Mesivtha Tifereth Jeru Am	113	0	0	0	0	0	0	0	113
Mirrer Yeshiva Cent Inst	170	0	0	0	0	0	0	0	170
Molloy College	793	0	0	0	0	0	0	0	793
Mount St Mary College	772	0	0	0	0	0	0	0	772
Mt Sinai Sch of Medicine	45,244	42,970	40,873	684	0	1,039	374	0	2,274
N Y Col of Podiatric Med	286	33	33	0	0	0	0	0	253
Nazareth Col of Rochester	1,309	103	103	0	0	0	0	0	1,206
New Sch for Soc Research	318	311	311	0	0	0	0	0	7
New York Chiropractic Col	272	0	0	0	0	0	0	0	272
New York Inst Technology	4,719	45	24	0	21	0	0	0	4,674
New York Medical College	10,921	10,127	9,793	0	0	49	222	63	794
New York University	96,278	82,947	77,761	0	0	3,350	702	1,134	13,331
Niagara University	2,147	0	0	0	0	0	0	0	2,147
Nyack College	407	0	0	0	0	0	0	0	407
NY St Ceramics-Alfred U	5	5	5	0	0	0	0	0	0
Ohr Hameir Theol Sem	55	0	0	0	0	0	0	0	55
Olean Business Institute	217	0	0	0	0	0	0	0	217
Pace University	5,321	433	200	0	0	0	202	31	4,888
Paul Smith's Col Arts Sci	18	18	0	0	18	0	0	0	0
Plaza Business Institute	1,046	0	0	0	0	0	0	0	1,046
Polytechnic University	6,879	4,772	4,742	0	0	0	0	30	2,107
Pratt Institute	3,071	43	0	0	43	0	0	0	3,028
Rab Col Bobover Yeshiva	457	0	0	0	0	0	0	0	457
Rabb Col of Kamenitz Yesh	1,274	0	0	0	0	0	0	0	1,274
Rabbinical C Beth Shraga	45	0	0	0	0	0	0	0	45
Rabbinical College L I	69	0	0	0	0	0	0	0	69
Rabbinical Sem of America	85	0	0	0	0	0	0	0	85
Rabbinical Sem Mkor Chaim	106	0	0	0	0	0	0	0	106
Rabbinicl Col Chsan Sofer	111	0	0	0	0	0	0	0	111
Rabbinicl Sem Adas Yereim	149	0	0	0	0	0	0	0	149
Rensselaer Polytech Inst	22,116	22,116	19,950	0	0	228	306	1,632	0
Rika Breuer Tchrs Sem	29	0	0	0	0	0	0	0	29
Roberts Wesleyan College	587	0	0	0	0	0	0	0	587
Rochester Inst Technology	40,318	2,038	1,635	0	388	15	0	0	38,280
Rockefeller University	37,014	37,014	35,586	0	0	1,170	258	0	0
Russell Sage College	1,936	0	0	0	0	0	0	0	1,936
Sara Schenirer Tchrs Sem	143	0	0	0	0	0	0	0	143
Sarah Lawrence College	481	0	0	0	0	0	0	0	481
Sh'or Yoshuv Rabbinical C	54	0	0	0	0	0	0	0	54
Siena College	1,198	0	0	0	0	0	0	0	1,198
Skidmore College	1,088	0	0	0	0	0	0	0	1,088
St Bonaventure University	1,376	0	0	0	0	0	0	0	1,376
St Francis College (NY)	1,072	0	0	0	0	0	0	0	1,072
St John Fisher College	1,210	74	74	0	0	0	0	0	1,136
St John's University (NY)	7,111	822	676	0	0	0	0	146	6,289
St Joseph's College	673	0	0	0	0	0	0	0	673
St Lawrence University	1,071	0	0	0	0	0	0	0	1,071
St Thomas Aquinas College	539	159	0	0	0	0	0	159	380
Suffolk Co CC Eastern Cam	3	0	0	0	0	0	0	0	3
Syracuse University	32,740	22,636	21,415	0	0	231	534	456	10,104
SUNY - Hlth Sci Brooklyn	16,058	14,823	14,428	0	0	258	137	0	1,235
SUNY - Hlth Sci Syracuse	13,010	10,958	10,358	0	0	94	143	363	2,052
SUNY at Albany	21,265	19,942	19,609	55	0	76	173	29	1,323
SUNY at Binghamton	4,422	3,089	2,844	0	0	36	209	0	1,333
SUNY at Buffalo All Cmps	44,491	40,906	33,934	0	0	832	749	5,391	3,585
SUNY at Stony Brook	47,247	44,406	41,251	1,483	0	1,099	381	192	2,841

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
New York, cont'd									
SUNY Adirondack Cmty Col	1,082	0	0	0	0	0	0	0	1,082
SUNY Ag & Tech Alfred	366	0	0	0	0	0	0	0	366
SUNY Ag & Tech Canton	426	0	0	0	0	0	0	0	426
SUNY Ag & Tech Cobleskill	269	69	69	0	0	0	0	0	200
SUNY Ag & Tech Delhi	240	0	0	0	0	0	0	0	240
SUNY Ag & Tech Farmngdale	846	0	0	0	0	0	0	0	846
SUNY Ag & Tech Morrisvlle	228	0	0	0	0	0	0	0	228
SUNY Broome Cmty Col	2,454	113	113	0	0	0	0	0	2,341
SUNY Clinton Cmty College	1,179	0	0	0	0	0	0	0	1,179
SUNY Cmty Col Finger Lake	2,168	0	0	0	0	0	0	0	2,168
SUNY Col at Old Westbury	1,208	735	50	0	0	0	0	0	473
SUNY Col of Env Sci & For	1,162	1,162	879	0	0	132	553	0	0
SUNY College at Purchase	980	359	359	0	0	0	75	208	621
SUNY College Brockport	1,485	245	128	0	0	0	0	0	1,240
SUNY College Buffalo	1,842	575	575	0	0	0	117	0	1,267
SUNY College Cortland	572	157	98	0	0	0	0	0	415
SUNY College Fredonia	567	12	0	0	0	0	59	0	555
SUNY College Geneseo	904	214	130	0	12	0	0	0	690
SUNY College New Paltz	893	328	130	0	84	0	0	0	565
SUNY College Oneonta	584	8	8	0	0	0	198	0	576
SUNY College Oswego	449	12	12	0	0	0	0	0	437
SUNY College Plattsburgh	1,427	699	518	0	0	0	0	0	728
SUNY College Potsdam	422	19	0	0	15	0	166	0	403
SUNY College Utica Rome	739	204	66	0	19	0	0	0	535
SUNY Columbia Greene Col	889	0	0	0	0	0	0	138	889
SUNY Corning Cmty College	1,938	0	0	0	0	0	0	0	1,938
SUNY Dutchess Cmty Col	1,329	0	0	0	0	0	0	0	1,329
SUNY Erie CC North Cam	2,770	0	0	0	0	0	0	0	2,770
SUNY Fashion Inst Tech	195	195	195	0	0	0	0	0	0
SUNY Fulton Mont Cmty Col	1,044	0	0	0	0	0	0	0	1,044
SUNY Genesee Cmty College	2,343	0	0	0	0	0	0	0	2,343
SUNY Herkimer Co Cmty Col	1,429	0	0	0	0	0	0	0	1,429
SUNY Hudson Val Cmty Col	2,123	0	0	0	0	0	0	0	2,123
SUNY Jamestown Cmty Col	2,502	0	0	0	0	0	0	0	2,502
SUNY Jefferson Cmty Col	1,133	0	0	0	0	0	0	0	1,133
SUNY Maritime College	28	0	0	0	0	0	0	0	28
SUNY Mohawk Val Cmty Col	3,576	0	0	0	0	0	0	0	3,576
SUNY Monroe Cmty College	4,403	0	0	0	0	0	0	0	4,403
SUNY Nassau Cmty College	2,926	82	0	0	0	0	0	0	2,844
SUNY Niagara Cty Cmty Col	3,174	0	0	0	0	0	82	0	3,174
SUNY North Cntry Cmty Col	1,407	0	0	0	0	0	0	0	1,407
SUNY Onondaga Cmty Col	2,294	0	0	0	0	0	0	0	2,294
SUNY Orange Cnty Cmty Col	1,139	0	0	0	0	0	0	0	1,139
SUNY Rockland Cmty Col	2,672	0	0	0	0	0	0	0	2,672
SUNY Schenectady Cnty CC	1,134	0	0	0	0	0	0	0	1,134
SUNY St Col of Optometry	428	277	244	0	0	25	8	0	151
SUNY Suffolk Co Cmty Col	4,037	0	0	0	0	0	0	0	4,037
SUNY Sullivan Co Cmty Col	1,239	0	0	0	0	0	0	0	1,239
SUNY System Office	47,828	3,461	3,461	0	0	0	0	0	44,367
SUNY Tompkins Cortland CC	1,528	0	0	0	0	0	0	0	1,528
SUNY Ulster Cnty Cmty Col	1,443	0	0	0	0	0	0	0	1,443
SUNY Westchester Cmty Col	1,609	234	0	0	14	220	0	0	1,375
Talmudical Inst Ohol Tora	80	0	0	0	0	0	0	0	80
Talmudical Inst Upst N Y	27	0	0	0	0	0	0	0	27
The Briarcliffe School	304	0	0	0	0	0	0	0	304
Tobe-Coburn Sch Fash Car	221	0	0	0	0	0	0	0	221
Touro College	5,703	0	0	0	0	0	0	0	5,703
Trocaire College	1,033	0	0	0	0	0	0	0	1,033
Un of NY Regents Col Deg	361	347	255	0	0	0	0	92	14
Union College (NY)	1,751	919	630	0	241	0	48	0	832
Union Theol Seminary (NY)	91	0	0	0	0	0	0	0	91
University of Rochester	111,435	106,183	98,550	921	0	3,964	884	1,864	5,252
Vassar College	2,175	661	513	0	120	0	22	0	1,514
Villa Maria Col Buffalo	454	0	0	0	0	0	0	0	454
Wadhams Hall	30	0	0	0	0	0	0	0	30
Wagner College	848	0	0	0	0	0	0	0	848
Wells College	425	60	0	0	0	0	0	0	365
Westchester Business Col	974	0	0	0	7	0	53	0	974
Wood School	564	0	0	0	0	0	0	0	564
Yeshiva Derech Chaim	73	0	0	0	0	0	0	0	73
Yeshiva Karlin Stolin	73	0	0	0	0	0	0	0	73
Yeshiva Shear Hatorah-Grd	26	0	0	0	0	0	0	0	26
Yeshiva University	77,490	75,132	68,553	844	0	4,358	1,374	3	2,358
Yeshivat Mikdash Melech	22	0	0	0	0	0	0	0	22
Yeshivath Vtzhitz	429	0	0	0	0	0	0	0	429
Yeshivath Zichron Moshe	164	0	0	0	0	0	0	0	164

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
North Carolina, total	473,274	331,683	287,838	1,090	242	14,522	5,241	22,750	141,591
Alamance Community Col	244	0	0	0	0	0	0	0	244
Anson Technical College	266	0	0	0	0	0	0	0	266
Appalachian St University	3,922	303	254	0	0	0	49	0	3,619
Ashvl Buncombe Tech Col	274	0	0	0	0	0	0	0	274
Atlantic Christian Col	1,126	0	0	0	0	0	0	0	1,126
Barber-Scotia College	1,381	0	0	0	0	0	0	0	1,381
Beaufort County Cmty Col	451	0	0	0	0	0	0	0	451
Belmont Abbey College	445	0	0	0	0	0	0	0	445
Bennett College (NC)	4,772	222	45	0	0	144	33	0	4,550
Bladen Technical Inst	152	0	0	0	0	0	0	0	152
Blanton's College	248	0	0	0	0	0	0	0	248
Blue Ridge Technical Col	240	50	0	0	50	0	0	0	190
Brevard College	403	0	0	0	0	0	0	0	403
Brunswick Technical Coll	193	0	0	0	0	0	0	0	193
Campbell University	1,367	107	88	0	0	19	0	0	1,260
Cape Fear Technical Inst	335	0	0	0	0	0	0	0	335
Carteret Tech College	203	0	0	0	0	0	0	0	203
Catawba College	567	0	0	0	0	0	0	0	567
Cecils Junior College	215	0	0	0	0	0	0	0	215
Central Carolina Tech Col	328	0	0	0	0	0	0	0	328
Central Piedmont Cmty Col	1,866	302	0	0	0	0	77	225	1,564
Chowan College	1,104	0	0	0	0	0	0	0	1,104
Cleveland Technical Col	106	0	0	0	0	0	0	0	106
Coastal Carolina Cmty Col	538	0	0	0	0	0	0	0	538
College of the Albemarle	615	0	0	0	0	0	0	0	615
Craven Community College	592	0	0	0	0	0	0	0	592
Davidson College	381	12	12	0	0	0	0	0	369
Davidson County Cmty Col	297	0	0	0	0	0	0	0	297
Duke University	122,679	117,850	108,611	1,090	0	6,271	693	1,185	4,829
Durham Technical Inst	245	0	0	0	0	0	0	0	245
East Carolina University	8,876	3,479	3,255	0	0	35	55	134	5,397
East Coast Bible College	177	0	0	0	0	0	0	0	177
Edgecombe Technical Coll	301	0	0	0	0	0	0	0	301
Elizabeth City State Univ	3,715	60	0	0	16	0	44	0	3,655
Elon College	1,110	0	0	0	0	0	0	0	1,110
Fayetteville State Univ	4,747	376	0	0	0	0	376	0	4,371
Fayetteville Tech Inst	1,080	0	0	0	0	0	0	0	1,080
Forsyth Technical Col	418	0	0	0	0	0	0	0	418
Gardner-Webb College	1,372	0	0	0	0	0	0	0	1,372
Gaston College	378	0	0	0	0	0	0	0	378
Greensboro College	573	0	0	0	0	0	0	0	573
Guilford College	985	0	0	0	0	0	0	0	985
Guilford Technical Inst	564	12	12	0	0	0	0	0	552
Halifax Cmty College	743	0	0	0	0	0	0	0	743
Hardbarger J Col of Bus	1,738	0	0	0	0	0	0	0	1,738
Haywood Technical Inst	160	0	0	0	0	0	0	0	160
Isothermal Community Col	385	0	0	0	0	0	0	0	385
James Sprunt Technical C	395	0	0	0	0	0	0	0	395
John Wesley Col (NC)	31	0	0	0	0	0	0	0	31
Johnson C Smith Univ	3,190	380	0	0	0	1	379	0	2,810
Johnston Technical Col	374	0	0	0	0	0	0	0	374
Lees-McRae College	468	0	0	0	0	0	0	0	468
Lenoir Community College	623	0	0	0	0	0	0	0	623
Lenoir-Rhyne College	837	119	0	0	0	26	93	0	718
Livingstone College	1,551	0	0	0	0	0	0	0	1,551
Louisburg College	474	0	0	0	0	0	0	0	474
Mars Hill College	1,241	0	0	0	0	0	0	0	1,241
Martin Community College	192	0	0	0	0	0	0	0	192
McDowell Tech Comm Col	469	0	0	0	0	0	0	0	469
Meredith College	550	38	38	0	0	0	0	0	512
Methodist College	954	0	0	0	0	0	0	0	954
Mitchell Community Col	1	0	0	0	0	0	0	0	1
Montgomery Tech Inst	131	0	0	0	0	0	0	0	131
Montreat-Anderson College	332	0	0	0	0	0	0	0	332
Mount Olive College	422	0	0	0	0	0	0	0	422
N C State Univ at Raleigh	64,808	58,935	43,466	0	0	992	268	14,209	5,873
Nash Technical Institute	295	0	0	0	0	0	0	0	295
North Caro Wesleyan Col	528	0	0	0	0	0	0	0	528
North Carolina Cntrl Univ	5,790	952	402	0	0	380	170	0	4,838
NC Ag & Tech State Univ	16,114	10,149	6,617	0	6	236	453	2,837	5,965
ace College	121	0	0	0	0	0	0	0	121
Pembroke State University	1,775	151	0	0	0	151	0	0	1,624
Pfeiffer College	451	0	0	0	0	0	0	0	451
Piedmont Bible Col	203	0	0	0	0	0	0	0	203
Piedmont Technical Col	458	0	0	0	0	0	0	0	458
Pitt Community College	835	0	0	0	0	0	0	0	835
Queens College	269	0	0	0	0	0	0	0	269
Richmond Technical Col	277	0	0	0	0	0	0	0	277

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
North Carolina, cont'd									
Roanoke Bible College	72	0	0	0	0	0	0	0	72
Roanoke-Chowan Tech Inst	591	0	0	0	0	0	0	0	591
Robeson Technical College	316	0	0	0	0	0	0	0	316
Rockingham Community Col	236	0	0	0	0	0	0	0	236
Rowan Technical College	152	0	0	0	0	0	0	0	152
Rutledge C of Greensboro	382	0	0	0	0	0	0	0	382
Rutledge C(Winston-Salem)	64	0	0	0	0	0	0	0	64
Rutledge Col of Durham	721	0	0	0	0	0	0	0	721
Rutledge Coll(Charlotte)	1,955	0	0	0	0	0	0	0	1,955
Rutledge College-Fayetteville	1,013	0	0	0	0	0	0	0	1,013
Rutledge College-Raleigh	1,506	0	0	0	0	0	0	0	1,506
Salem College	187	0	0	0	0	0	0	0	187
Sampson Tech Inst	388	0	0	0	0	0	0	0	388
Sandhills Community Col	320	0	0	0	0	0	0	0	320
Shaw University	6,934	0	0	0	0	0	0	0	6,934
Southeastrn Cmty Col (NC)	792	0	0	0	0	0	0	0	792
Southwestern Tech College	337	0	0	0	0	0	0	0	337
St Andrews Presby Col	573	75	0	0	30	0	45	0	498
St Augustines College	5,095	140	50	0	0	0	0	90	4,955
St Mary's College	37	0	0	0	0	0	0	0	37
Stanly Technical College	403	0	0	0	0	0	0	0	403
Surry Community College	508	0	0	0	0	0	0	0	508
Univ of N C at Asheville	972	88	61	0	27	0	0	0	884
Univ of N C at Charlotte	5,799	1,913	1,454	0	0	20	233	206	3,886
Univ of N C at Greensboro	5,074	1,229	949	0	0	11	71	198	3,845
Univ of N C at Wilmington	118	118	118	0	0	0	0	0	0
Univ of N C Sys Off	11,517	5,977	1,781	0	0	296	440	3,460	5,540
Univ of NC at Chapel Hill	105,873	99,357	93,244	0	0	5,226	788	99	6,516
Vance-Granville Cmty Coll	454	0	0	0	0	0	0	0	454
Wake Forest University	32,460	28,512	27,314	0	32	740	426	0	3,948
Wake Technical College	343	35	0	0	35	0	0	0	308
Warren Wilson College	503	0	0	0	0	0	0	0	503
Wayne Community College	662	0	0	0	0	0	0	0	662
Western Carolina Univ	3,533	107	0	0	0	0	0	107	3,426
Western Piedmont Cmty Col	632	20	0	0	20	0	0	0	612
Wilkes Community College	455	0	0	0	0	0	0	0	455
Wilson Tech Comm Col	529	0	0	0	0	0	0	0	529
Wingate College	782	0	0	0	0	0	0	0	782
Winston-Salem State Univ	3,950	615	67	0	0	0	548	0	3,335
North Dakota, total	56,232	21,840	11,715	4,593	61	83	167	5,221	34,392
Bismarck Junior College	1,735	66	0	0	0	0	0	66	1,669
Dickinson State College	1,626	28	0	0	0	0	0	28	1,598
Fort Bethold Cmty College	261	0	0	0	0	0	0	0	261
Jamestown College	1,232	0	0	0	0	0	0	0	1,232
Lake Region Cmty Col	756	142	0	0	0	0	0	142	614
Little Hoop Com Col	503	0	0	0	0	0	0	0	503
Mayville State College	806	0	0	0	0	0	0	0	806
Minot State College	2,822	72	0	0	0	0	72	0	2,750
N Dak State School Sci	2,244	0	0	0	0	0	0	0	2,244
North Dakota State Univ	18,072	11,148	5,755	519	24	12	12	4,826	6,924
Standing Rock College	1,093	0	0	0	0	0	0	0	1,093
Trinity Bible Institute	787	0	0	0	0	0	0	0	787
Turtle Mountain Comm Col	629	0	0	0	0	0	0	0	629
University of Mary	1,581	0	0	0	0	0	0	0	1,581
University of N Dakota	20,860	10,351	5,960	4,074	37	71	83	126	10,509
Valley City State College	1,225	33	0	0	0	0	0	33	1,192
Ohio, total	471,779	264,557	238,131	30	899	8,261	3,321	13,915	207,222
A.T.E.S. Technical School	89	0	0	0	0	0	0	0	89
Antioch University	2,677	0	0	0	0	0	0	0	2,677
Art Academy of Cincinnati	116	0	0	0	0	0	0	0	116
Ashland University	2,289	0	0	0	0	0	0	0	2,289
Baldwin-Wallace College	2,325	17	0	0	17	0	0	0	2,308
Belmont Technical College	1,278	51	0	0	51	0	0	0	1,227
Bluffton College	484	0	0	0	0	0	0	0	484
Bowling Green State Univ	8,046	1,423	853	0	0	0	385	185	6,623
Bryant & Stratton Bus In	431	0	0	0	0	0	0	0	431
Capital University	1,389	0	0	0	0	0	0	0	1,389
Case Western Reserve Univ	79,997	74,430	69,589	0	0	4,205	636	0	5,567
Cedarville College	725	0	0	0	0	0	0	0	725
Central Ohio Tech Col	913	0	0	0	0	0	0	0	913
Central State University	333	333	227	0	0	101	5	0	0
Chatfield College	82	0	0	0	0	0	0	0	82
Cincinnati Bible Seminary	484	0	0	0	0	0	0	0	484
Cincinnati C of Mort Sci	26	0	0	0	0	0	0	0	26
Cincinnati Technical Inst	1,064	0	0	0	0	0	0	0	1,064

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Ohio, cont'd									
Circleville Bible College	241	0	0	0	0	0	0	0	241
Clark Technical College	1,024	0	0	0	0	0	0	0	1,024
Cleveland State Univ	9,845	4,182	3,520	0	132	30	287	213	5,663
Col Mt St Joseph-on-Ohio	763	17	0	0	17	0	0	0	746
College of Wooster	1,157	173	173	0	0	0	0	0	984
Columbus Col Art & Design	824	0	0	0	0	0	0	0	824
Columbus Technical Inst	2,662	0	0	0	0	0	0	0	2,662
Cuyahoga Cmty Col Dist	9,357	182	0	0	144	0	10	28	9,175
Cuyahoga Com Col-West Cam	95	0	0	0	0	0	0	0	95
Davis Junior College	270	0	0	0	0	0	0	0	270
Defiance College	717	0	0	0	0	0	0	0	717
Denison University	906	140	43	0	0	0	97	0	766
Dyke College	1,355	0	0	0	0	0	0	0	1,355
Electronic Tech Inst-Ohio	717	0	0	0	0	0	0	0	717
Franciscan U Steubenville	1,035	0	0	0	0	0	0	0	1,035
Franklin University	862	0	0	0	0	0	0	0	862
God's Bible School & Col	240	0	0	0	0	0	0	0	240
Hebrew Union Col-Inst Rel	16	0	0	0	0	0	0	0	16
Heidelberg College	1,062	0	0	0	0	0	0	0	1,062
Hiram College	1,101	11	0	0	11	0	0	0	1,090
Hocking Technical College	150	150	150	0	0	0	0	0	0
ITT Tech Institute-Ohio	155	0	0	0	0	0	0	0	155
Jefferson Technical Col	724	0	0	0	0	0	0	0	724
John Carroll University	1,325	142	142	0	0	0	0	0	1,183
Kent State University	17,512	3,477	3,464	0	0	0	13	0	14,035
Kenyon College	512	182	128	0	54	0	0	0	330
Lake Erie College	190	0	0	0	0	0	0	0	190
Lakeland Community Col	1,132	0	0	0	0	0	0	0	1,132
Lima Technical College	1,532	0	0	0	0	0	0	0	1,532
Lorain County Cmty Col	1,320	0	0	0	0	0	0	0	1,320
Lourdes College	241	0	0	0	0	0	0	0	241
Malone College	953	0	0	0	0	0	0	0	953
Marietta College	1,152	69	0	0	37	0	32	0	1,083
Marion Technical College	752	0	0	0	0	0	0	0	752
Med Col of Ohio at Toledo	7,011	6,237	5,984	0	0	166	87	0	774
Methodist Theol Sch Ohio	36	0	0	0	0	0	0	0	36
Miami University (Ohio)	9,312	1,469	1,110	0	0	210	104	45	7,843
Michael J Owens Tech Col	2,307	0	0	0	0	0	0	0	2,307
Mount Union College	1,162	0	0	0	0	0	0	0	1,162
Mt Vernon Nazarene Col	1,022	0	0	0	0	0	0	0	1,022
Muskingum College	827	0	0	0	0	0	0	0	827
North Central Tech Col	772	35	0	0	35	0	0	0	737
Northwest Tech College	429	0	0	0	0	0	0	0	429
Notre Dame College (OH)	350	86	86	0	0	0	0	0	264
NE Ohio Univs Med School	1,085	808	788	0	0	0	20	0	277
Oberlin College	2,420	269	263	0	0	6	0	0	2,151
Ohio Col of Podiatric Med	51	0	0	0	0	0	0	0	51
Ohio Dominican College	726	0	0	0	0	0	0	0	726
Ohio Northern University	1,566	123	0	0	72	0	51	0	1,443
Ohio State University	105,318	86,055	72,702	30	0	1,153	593	11,577	19,263
Ohio University	16,347	5,207	4,942	0	0	122	71	72	11,140
Ohio Wesleyan University	1,407	229	205	0	24	0	0	0	1,178
Otterbein College	996	0	0	0	0	0	0	0	996
Pontifical Col Josephinum	93	0	0	0	0	0	0	0	93
Rabbinical Col of Telshe	171	0	0	0	0	0	0	0	171
Shawnee State Cmty Coll	2,921	0	0	0	0	0	0	0	2,921
Sinclair Community Col	107	26	0	0	26	0	0	0	81
Southern Ohio College	3,748	0	0	0	0	0	0	0	3,748
Stark Technical Institute	1,159	0	0	0	0	0	0	0	1,159
Sthrn St Gen Tech College	897	0	0	0	0	0	0	0	897
The University of Findlay	1,971	242	0	0	0	0	0	242	1,729
Tiffin University	456	0	0	0	0	0	0	0	456
Trinity Lutheran Seminary	120	0	0	0	0	0	0	0	120
Union Institute	380	0	0	0	0	0	0	0	380
United Theol Sem (OH)	97	0	0	0	0	0	0	0	97
University of Akron	13,197	3,058	3,032	0	0	18	8	0	10,139
University of Cincinnati	56,966	43,623	40,996	0	0	1,701	450	476	13,343
University of Dayton	26,128	22,684	21,576	0	22	9	0	1,077	3,444
University of Rio Grande	1,549	0	0	0	0	0	0	0	1,549
University of Toledo	10,302	2,787	2,337	0	0	30	420	0	7,515
Urbana University	1,306	0	0	0	0	0	0	0	1,306
Ursuline College	360	0	0	0	0	0	0	0	360
Virginia Marti Fash Inst	162	0	0	0	0	0	0	0	162
Walsh College	658	0	0	0	0	0	0	0	658
West Side Inst of Tech	452	0	0	0	0	0	0	0	452
Wilberforce University	3,717	14	0	0	0	14	0	0	3,703
Wilmington College	1,915	0	0	0	0	0	0	0	1,915
Wittenberg University	1,273	178	96	0	82	0	0	0	1,095
Wright State University	12,296	6,401	5,717	0	136	496	52	0	5,895

See explanatory material at end of table.

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Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, trainee-ships, and training grants	General support science/engineering	Other science/engineering	
Ohio, cont'd									
Xavier University	3,230	0	0	0	0	0	0	0	3,230
Youngstown C Bus & Draftg	138	0	0	0	0	0	0	0	138
Youngstown St University	8,219	47	8	8	39	0	0	0	8,172
Oklahoma, total	144,376	53,133	30,968	3,500	26	1,142	1,831	15,666	91,243
Bacone College	1,443	196	0	0	0	0	196	0	1,247
Bartlesville Wesleyan Col	465	0	0	0	0	0	0	0	465
Bethany Nazarene College	842	0	0	0	0	0	0	0	842
Cameron University	3,395	4	0	0	0	4	0	0	3,391
Carl Albert Junior Col	1,644	0	0	0	0	0	0	0	1,644
Central State Univ (OK)	4,431	0	0	0	0	0	0	0	4,431
Connors State College	1,977	0	0	0	0	0	0	0	1,977
East Central University	4,148	403	244	0	0	0	0	159	3,745
Eastern Okla State Col	1,136	0	0	0	0	0	0	0	1,136
El Reno Junior College	587	0	0	0	0	0	0	0	587
Flaming Rainbow Univ	249	0	0	0	0	0	0	0	249
Hillsdale F-W-Baptist Col	155	0	0	0	0	0	0	0	155
Langston University	5,936	2,548	1,146	0	0	102	0	1,300	3,388
Murray State College	1,185	7	7	0	0	0	0	0	1,178
Northeastern Okla A&M Col	1,932	0	0	0	0	0	0	0	1,932
Northeastern State Univ	7,323	363	25	0	0	14	0	324	6,960
Northern Oklahoma College	682	4	0	0	0	4	0	0	678
Northwestern Okla St Univ	1,131	0	0	0	0	0	0	0	1,131
Okla Col Osteo Med & Surg	1,719	353	104	0	0	0	249	0	1,366
Okla Panhandle State Univ	591	0	0	0	0	0	0	0	591
Oklahoma Baptist Univ	1,303	0	0	0	0	0	0	0	1,303
Oklahoma Christian Col	1,379	0	0	0	0	0	0	0	1,379
Oklahoma City University	953	7	0	0	0	7	0	0	946
Oklahoma State University	37,014	25,179	13,284	0	0	275	602	11,038	11,835
Oral Roberts University	4,387	98	90	0	0	0	8	0	4,289
OK City Community College	2,230	0	0	0	0	0	0	0	2,230
OK Junior Col Bus & Tech	3,075	0	0	0	0	0	0	0	3,075
Phillips University	782	121	0	0	0	0	121	0	661
Roger State College	2,315	0	0	0	0	0	0	0	2,315
Rose State College	1,895	130	0	0	0	130	0	0	1,765
Seminole Junior Col (OK)	835	0	0	0	0	0	0	0	835
Southeastern Okla St Univ	3,617	224	39	0	0	0	185	0	3,393
Southwestern Okla St Univ	3,477	72	0	0	7	0	65	0	3,405
Spartan Sch Aeronautics	87	0	0	0	0	0	0	0	87
St Gregorys College	222	0	0	0	0	0	0	0	222
SW Col of Christian Minis	175	0	0	0	0	0	0	0	175
Tulsa Junior College	2,797	240	240	0	0	0	0	0	2,557
University of Oklahoma	32,907	22,135	14,829	3,500	0	894	405	2,807	10,772
University of Tulsa	2,944	1,049	980	0	19	12	0	38	1,895
Westrn Oklahoma State Col	1,011	0	0	0	0	0	0	0	1,011
Oregon, total	214,173	139,024	90,171	29,345	165	2,884	3,558	13,181	75,149
Blue Mountain Cmty Col	831	0	0	0	0	0	0	0	831
Central Oregon Cmty Col	1,193	70	0	0	0	0	70	0	1,123
Chemeketa Community Col	3,284	66	0	0	0	0	66	0	3,218
Clackamas Community Col	1,813	0	0	0	0	0	0	0	1,813
Clatsop Community College	586	0	0	0	0	0	0	0	586
Columbia Christian Col	297	0	0	0	0	0	0	0	297
Concordia College (Ore)	419	0	0	0	0	0	0	0	419
Eastern Oregon St College	6,096	3,012	412	0	0	112	763	1,725	3,084
Eugene Bible College	149	0	0	0	0	0	0	0	149
George Fox College	1,000	0	0	0	0	0	0	0	1,000
ITT Technical Inst	253	0	0	0	0	0	0	0	253
Lane Community College	211	0	0	0	0	0	0	0	211
Lewis & Clark College	1,778	317	0	0	0	0	181	136	1,461
Linfield College	1,834	0	0	0	0	0	0	0	1,834
Linn Benton Community Col	3,171	275	0	0	0	90	68	117	2,896
Marylhurst Education Ctr	333	0	0	0	0	0	0	0	333
Mt Angel Seminary	25	0	0	0	0	0	0	0	25
Mt Hood Community College	2,543	247	0	0	0	0	0	247	2,296
Multnomah School of Bible	527	0	0	0	0	0	0	0	527
Nat Col of Natur Medicine	104	0	0	0	0	0	0	0	104
Northwest Christian Col	186	0	0	0	0	0	0	0	186
Oregon Grad Inst Sci Tech	5,412	5,412	5,394	0	0	0	18	0	0
Oregon Hlth Sciences Univ	55,822	51,861	23,231	22,000	0	782	385	5,463	3,961
Oregon Institute of Tech	2,394	200	200	0	0	0	0	0	2,194
Oregon Polytechnic Inst	102	0	0	0	0	0	0	0	102
Oregon State University	64,527	56,010	42,562	7,275	0	811	583	4,779	8,517
Pacific NW College of Art	488	0	0	0	0	0	0	0	488
Pacific University	1,543	0	0	0	0	0	0	0	1,543
Portland Community Col	5,912	320	0	0	0	0	8	312	5,592
Portland State University	9,934	2,874	2,525	0	0	18	280	71	7,060

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Oregon, cont'd									
Reed College	1,313	462	433	0	21	0	8	0	851
Rogue Community College	1,889	0	0	0	0	0	0	0	1,889
Southern Oregon St Col	3,473	136	0	0	71	0	65	0	3,337
Southwestern Oreg Cmty Col	721	14	2	0	12	0	0	0	707
Treasure Valley Cmty Col	488	0	0	0	0	0	0	0	488
Umpqua Community College	880	0	0	0	0	0	0	0	880
University of Oregon Main	24,480	16,558	15,032	70	0	791	665	0	7,922
University of Portland	1,726	351	156	0	61	0	134	0	1,375
Warner Pacific College	551	0	0	0	0	0	0	0	551
Western Baptist College	362	0	0	0	0	0	0	0	362
Western Oregon State Coll	3,687	839	224	0	0	0	284	331	2,848
Willamette University	1,448	0	0	0	0	0	0	0	1,448
Wstrn States Chioprctc C	388	0	0	0	0	0	0	0	388
Pennsylvania, total	779,823	538,511	484,619	7,280	994	18,256	8,487	18,875	241,312
Albright College	593	0	0	0	0	0	0	0	593
Allegheny College	1,210	62	25	0	37	0	0	0	1,148
Allentown C St Fr Desales	670	0	0	0	0	0	0	0	670
Alvernia College	403	0	0	0	0	0	0	0	403
American Inst Drafting	352	0	0	0	0	0	0	0	352
Art Inst Philadelphia	879	0	0	0	0	0	0	0	879
Art Inst Pittsburgh	1,879	0	0	0	0	0	0	0	1,879
Baptist Bible Col of PA	409	0	0	0	0	0	0	0	409
Beaver College	352	0	0	0	0	0	0	0	352
Bloomsburg Univ of Penn	3,792	75	75	0	0	0	0	0	3,717
Bryn Mawr College	1,294	631	500	0	37	0	0	94	663
Bucknell University	1,318	308	211	0	97	0	0	0	1,010
Bucks County Cmty Col	1,857	0	0	0	0	0	0	0	1,857
Butler County Cmty Col	981	0	0	0	0	0	0	0	981
Cabrini College	529	52	52	0	0	0	0	0	477
California Univ of Penn	4,760	0	0	0	0	0	0	0	4,760
Carlow College	758	0	0	0	0	0	0	0	758
Carnegie-Mellon Univ	64,642	60,277	57,605	285	0	1,028	199	1,160	4,365
Cedar Crest College	407	0	0	0	0	0	0	0	407
Chatham College	684	0	0	0	0	0	0	0	684
Chestnut Hill College	337	0	0	0	0	0	0	0	337
Chayney Univ of Penn	2,604	0	0	0	0	0	0	0	2,604
Clarion Univ of Penn	10,745	0	0	0	0	0	0	0	10,745
Cmty Col of Beaver County	1,718	0	0	0	0	0	0	0	1,718
Cmty Col of Philadelphia	9,364	1	1	0	0	0	0	0	9,363
Cmty Col Allegheny County	8,185	0	0	0	0	0	0	0	8,185
College Misericordia	832	62	0	0	0	0	0	62	770
Combs Col of Music	17	0	0	0	0	0	0	0	17
Dean Institute of Tech	79	0	0	0	0	0	0	0	79
Delaware County Cmty Col	1,294	0	0	0	0	0	0	0	1,294
Dickinson College	1,029	170	0	0	29	0	141	0	859
Dickinson School of Law	80	0	0	0	0	0	0	0	80
Drexel University	15,613	12,331	6,436	5,550	0	115	230	0	3,282
Duquesne University	3,137	143	78	0	65	0	0	0	2,994
East Stroudsburg U of PA	1,844	0	0	0	0	0	0	0	1,844
Eastern Baptist Theol Sem	14	0	0	0	0	0	0	0	14
Eastern College	686	0	0	0	0	0	0	0	686
Edinboro Univ of Penn	4,325	85	85	0	0	0	0	0	4,240
Electronic Insts-Pitts	257	0	0	0	0	0	0	0	257
Elizabethtown College	597	11	0	0	0	11	0	0	586
Franklin & Marshall Col	1,140	426	394	0	32	0	0	0	714
Gannon University	2,534	27	13	0	14	0	0	0	2,507
Geneva College	986	0	0	0	0	0	0	0	986
Gettysburg College	642	36	0	0	36	0	0	0	606
Gwynedd-Mercy College	663	0	0	0	0	0	0	0	663
Hahnemann University	10,418	8,796	8,468	0	0	0	206	122	1,622
Harcum Junior College	731	0	0	0	0	0	0	0	731
Harrisburg Area Cmty Col	1,244	0	0	0	0	0	0	0	1,244
Haverford College	697	325	309	0	16	0	0	0	372
Holy Family College	522	0	0	0	0	0	0	0	522
Immaculata College	386	82	0	0	0	0	0	82	304
Indiana Univ of Penn	1,314	775	12	0	85	0	251	427	539
Juniata College	835	238	181	0	57	0	0	0	597
Keystone Junior College	683	0	0	0	0	0	0	0	683
King's College (PA)	1,252	19	0	0	19	0	0	0	1,233
Kutztown Univ of Penn	2,341	101	101	0	0	0	0	0	2,240
La Roche College	672	0	0	0	0	0	0	0	672
La Salle University	1,907	66	0	0	0	0	0	66	1,841
Lackawanna Junior College	516	0	0	0	0	0	0	0	516
Lafayette College	593	149	149	0	0	0	0	0	444
Lancaster Bible College	284	0	0	0	0	0	0	0	284
Lebanon Valley College	583	108	0	0	108	0	0	0	475
Lehigh County Cmty Col	652	0	0	0	0	0	0	0	652

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Pennsylvania, cont'd									
Lehigh University	12,112	10,971	10,524	0	0	343	104	0	1,141
Lincoln University (PA)	3,441	1,096	648	0	0	222	226	0	2,345
Lock Haven Univ of Penn	833	0	0	0	0	0	0	0	833
Lutheran Theological Sem	13	0	0	0	0	0	0	0	13
Luzerne County Cmty Col	1,945	0	0	0	0	0	0	0	1,945
Lycoming College	612	0	0	0	0	0	0	0	612
Manor Junior College	180	0	0	0	0	0	0	0	180
Mansfield Univ of Penn	6	6	0	0	6	0	0	0	0
Marywood College	1,116	0	0	0	0	0	0	0	1,116
McCarrie Sch Hlth Sci Tec	599	0	0	0	0	0	0	0	599
Mercyhurst College	1,442	0	0	0	0	0	0	0	1,442
Messiah College	1,338	33	33	0	0	0	0	0	1,305
Millersville Univ of Penn	2,315	89	52	0	37	0	0	0	2,226
Montgomery Cnty Comm Col	615	0	0	0	0	0	0	0	615
Moore Col of Art & Design	523	0	0	0	0	0	0	0	523
Moravian College	544	24	24	0	0	0	0	0	520
Mount Aloysius Junior Col	1,012	0	0	0	0	0	0	0	1,012
Muhlenberg College	529	0	0	0	0	0	0	0	529
Neumann College	371	0	0	0	0	0	0	0	371
Northampton Cnty Cmty Col	2,502	228	0	0	0	0	0	228	2,274
Northeastn Christn Jr Col	299	0	0	0	0	0	0	0	299
O.S. Johnson Sch Tech	227	0	0	0	0	0	0	0	227
Peirce Jr College	964	0	0	0	0	0	0	0	964
Penn Col of Podiatric Med	872	0	0	0	0	0	0	0	872
Penn Technical Institute	228	0	0	0	0	0	0	0	228
Pennco Tech	349	0	0	0	0	0	0	0	349
Pennsylvania Col of Tech	2,692	55	0	0	0	0	55	0	2,637
Pennsylvania Col Optomet	1,667	971	785	0	0	0	8	178	696
Pennsylvania Inst of Tech	234	0	0	0	0	0	0	0	234
Pennsylvania State Univ	166,581	135,092	119,435	351	0	1,484	1,123	12,699	31,489
Phila Col of Pharm & Sci	527	411	411	0	0	0	0	0	116
Phila Col Osteopathic Med	386	0	0	0	0	0	0	0	386
Philadelphia Col of Bible	372	0	0	0	0	0	0	0	372
Pinebrook Junior College	137	0	0	0	0	0	0	0	137
Point Park College	1,808	0	0	0	0	0	0	0	1,808
Reading Area CC	1,533	0	0	0	0	0	0	0	1,533
Robert Morris College	2,349	0	0	0	0	0	0	0	2,349
Rosemont College	199	0	0	0	0	0	0	0	199
Seton Hill College	1,259	47	24	0	23	0	0	0	1,212
Shippensburg Univ of Penn	2,415	357	0	0	0	0	298	59	2,058
Slippery Rock Univ of PA	4,548	80	0	0	0	0	80	0	4,468
Spring Garden College	341	0	0	0	0	0	0	0	341
St Charles Borromeo Sem	46	0	0	0	0	0	0	0	46
St Francis College	1,187	0	0	0	0	0	0	0	1,187
St Joseph's University	1,280	161	137	0	24	0	0	0	1,119
St Vincent Col and Sem	1,045	134	0	0	0	0	0	134	911
Susquehanna University	621	0	0	0	0	0	0	0	621
Swarthmore College	1,509	691	677	0	14	0	0	0	818
T Stevens St Sch of Tech	30	0	0	0	0	0	0	0	30
Temple University	39,562	24,730	22,929	0	0	807	724	270	14,832
The Medical Col of Penna	11,026	10,526	9,697	0	0	525	304	0	500
Thiel College	726	0	0	0	0	0	0	0	726
Thomas Jefferson Univ	23,169	21,242	19,583	0	0	1,002	561	96	1,927
Triangle Tech, Inc.	1,369	0	0	0	0	0	0	0	1,369
United Wesleyan College	197	0	0	0	0	0	0	0	197
Univ of Pennsylvania	158,337	145,478	132,805	477	0	9,809	2,218	169	12,859
University of Pittsburgh	114,798	98,353	91,094	617	0	2,900	1,560	2,182	16,445
University of Scranton	1,896	152	0	0	14	0	0	138	1,744
Ursinus College	534	45	0	0	45	0	0	0	489
Vale Technical Institute	67	0	0	0	0	0	0	0	67
Valley Forge Christ Col	413	0	0	0	0	0	0	0	413
Valley Forge Milit Jr Col	79	0	0	0	0	0	0	0	79
Villa Maria College	480	0	0	0	0	0	0	0	480
Villanova University	3,430	1,252	934	0	170	10	138	0	2,178
Washington & Jeffersn Col	742	0	0	0	0	0	0	0	742
Waynesburg College	1,288	0	0	0	0	0	0	0	1,288
West Chester Univ of Penn	3,122	112	112	0	0	0	0	0	3,010
Westminster College (PA)	823	0	0	0	0	0	0	0	823
Westmoreland Cnty Cmty C	2,122	0	0	0	0	0	0	0	2,122
Widener University	2,121	81	20	0	0	0	61	0	2,040
Wilkes University	2,555	738	0	0	29	0	0	709	1,817
Wilson College	135	0	0	0	0	0	0	0	135
York College of Penn	958	0	0	0	0	0	0	0	958
Rhode Island, total	78,324	54,066	49,525	310	0	1,125	688	2,418	24,258
Brown University	40,250	35,604	33,000	310	0	1,125	318	851	4,646
Bryant Col of Bus Admin	966	0	0	0	0	0	0	0	966

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Rhode Island, cont'd									
Cmty Col of Rhode Island	3,432	0	0	0	0	0	0	0	3,432
Johnson & Wales Univ	3,004	0	0	0	0	0	0	0	3,004
N Eng Inst of Technology	1,127	0	0	0	0	0	0	0	1,127
Providence College	1,728	0	0	0	0	0	0	0	1,728
Rhode Island College	3,787	380	45	0	0	0	193	142	3,407
Roger Williams College	720	0	0	0	0	0	0	0	720
Salve Regina College	450	0	0	0	0	0	0	0	450
Univ of Rhode Island	22,860	18,082	16,480	0	0	0	177	1,425	4,778
South Carolina, total	136,683	66,126	38,927	11,500	345	1,088	2,217	12,049	70,557
Aiken Technical College	429	0	0	0	0	0	0	0	429
Allen University	734	0	0	0	0	0	0	0	734
Anderson College	875	0	0	0	0	0	0	0	875
Baptist Col at Charleston	1,936	0	0	0	0	0	0	0	1,936
Beaufort Technical Col	1,592	642	0	0	0	0	550	92	950
Benedict College	4,757	629	25	0	0	12	592	0	4,128
Central Wesleyan College	497	0	0	0	0	0	0	0	497
Citadel Military Col S C	493	15	15	0	0	0	0	0	478
Claflin College	2,720	30	30	0	0	0	0	0	2,690
Clemson University	22,751	19,242	11,396	0	9	121	127	7,589	3,509
Coker College	536	0	0	0	0	0	0	0	536
College of Charleston	2,043	179	179	0	0	0	0	0	1,864
Columbia Bible Col	415	0	0	0	0	0	0	0	415
Columbia College	893	0	0	0	0	0	0	0	893
Converse College	387	0	0	0	0	0	0	0	387
Erskine College	358	48	48	0	0	0	0	0	310
Florence Darlington T C	983	0	0	0	0	0	0	0	983
Francis Marion College	1,670	26	26	0	0	0	0	0	1,644
Furman University	1,318	305	196	0	48	0	61	0	1,013
Greenville Tech College	2,172	334	0	0	0	54	0	280	1,838
Horry-Georgetown Tech Col	779	0	0	0	0	0	0	0	779
Lander College	1,313	0	0	0	0	0	0	0	1,313
Limestone College	492	0	0	0	0	0	0	0	492
Med Univ of So Carolina	22,555	20,646	11,523	8,000	0	434	189	500	1,909
Midlands Tech College	3,000	0	0	0	0	0	0	0	3,000
Morris College	2,735	0	0	0	0	0	0	0	2,735
Newberry College	660	35	0	0	35	0	0	0	625
North Greenville College	563	0	0	0	0	0	0	0	563
Orngbrg-Calhn Tech Ed Ctr	1,315	0	0	0	0	0	0	0	1,315
Piedmont Tech College	1,290	181	0	0	181	0	0	0	1,109
Presbyterian College	481	0	0	0	0	0	0	0	481
Rutledge College-Spartanburg	321	0	0	0	0	0	0	0	321
Rutledge College-Columbia	1,303	0	0	0	0	0	0	0	1,303
Rutledge College-Charleston	253	0	0	0	0	0	0	0	253
Sherman Col of Chiropract	167	0	0	0	0	0	0	0	167
South Carolina St College	10,201	3,525	1,593	0	0	102	156	1,674	6,676
Spartanburg Meth College	736	0	0	0	0	0	0	0	736
Spartanburg Tech College	813	0	0	0	0	0	0	0	813
Sumter Area Tech College	1,539	160	0	0	0	160	0	0	1,379
SC Sea Grant Consortium	90	90	90	0	0	0	0	0	0
Tri-County Tech College	1,219	69	0	0	0	0	69	0	1,150
Trident Technical College	6,332	3,529	0	3,500	29	0	0	0	2,803
Univ of South Carolina	24,794	16,211	13,731	0	0	145	421	1,914	8,583
Voorhees College	2,463	123	63	0	0	60	0	0	2,340
Williamsburg Tech College	172	0	0	0	0	0	0	0	172
Winthrop College	2,061	64	12	0	0	0	52	0	1,997
Wofford College	525	43	0	0	43	0	0	0	482
York Technical College	952	0	0	0	0	0	0	0	952
South Dakota, total	43,773	11,482	6,861	97	303	86	414	3,721	32,291
Augustana College	2,483	419	349	0	31	0	0	39	2,064
Black Hill State Univ	3,225	0	0	0	0	0	0	0	3,225
Cmty Col of N Ctrl U Ctr	238	0	0	0	0	0	0	0	238
Dakota State College	1,537	0	0	0	0	0	0	0	1,537
Dakota Wesleyan Univ	969	0	0	0	0	0	0	0	969
Huron University	210	0	0	0	0	0	0	0	210
Mount Marty College	919	0	0	0	0	0	0	0	919
National College	2,433	0	0	0	0	0	0	0	2,433
Northern State University	3,205	0	0	0	0	0	0	0	3,205
Oglala Lakota College	3,482	740	257	0	0	0	295	188	2,742
Presentation College	662	0	0	0	0	0	0	0	662
S Dak Sch Mines & Tech	2,294	2,294	2,185	0	109	0	0	0	0
Sinte Gleska College	1,621	133	77	0	0	0	0	56	1,488
Sioux Falls College	841	0	0	0	0	0	0	0	841
Sisseton-Wahpeton Cmty C	220	0	0	0	0	0	0	0	220
South Dakota State Univ	12,619	6,710	3,061	97	14	0	100	3,438	5,909
U of S D System Office	5,281	86	0	0	0	86	0	0	5,195

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
South Dakota, cont'd									
Univ of S Dak Springfield	157	157	157	0	0	0	0	0	0
Univ of South Dakota	1,377	943	778	0	149	0	19	0	434
Tennessee, total	253,637	142,456	115,369	118	247	6,067	5,774	14,881	111,181
Amer Baptist Theo Sem	218	0	0	0	0	0	0	0	218
Aquinas Junior College	144	0	0	0	0	0	0	0	144
Austin Peay State Univ	3,223	86	0	0	0	0	86	0	3,137
Belmont College	717	0	0	0	0	0	0	0	717
Bethel College (Tenn)	660	0	0	0	0	0	0	0	660
Bristol University	321	0	0	0	0	0	0	0	321
Bryan College	660	0	0	0	0	0	0	0	660
Carson-Newman College	1,376	8	0	0	8	0	0	0	1,368
Chattanooga St Tech CC	1,644	0	0	0	0	0	0	0	1,644
Christian Brothers Col	1,410	92	0	0	92	0	0	0	1,318
Cleveland State Cmty Col	1,167	0	0	0	0	0	0	0	1,167
Columbia State Cmty Col	646	29	0	0	0	0	0	29	617
Cumberland Col of Tenn	533	0	0	0	0	0	0	0	533
David Lipscomb University	608	0	0	0	0	0	0	0	608
Draughons Jr C-Knoxville	1,840	0	0	0	0	0	0	0	1,840
Draughons JC - Nashville	1,242	0	0	0	0	0	0	0	1,242
Dyersburg State Cmty Col	897	0	0	0	0	0	0	0	897
East Tennessee State Univ	8,361	2,326	1,891	0	0	193	94	148	6,035
Fisk University	2,766	776	469	0	0	3	304	0	1,990
Freed-Hardeman College	1,597	0	0	0	0	0	0	0	1,597
Hiwassee College	819	0	0	0	0	0	0	0	819
Jackson State Cmty Col	881	0	0	0	0	0	0	0	881
John A Gupton College	62	0	0	0	0	0	0	0	62
Knoxville College	3,669	204	0	0	0	0	204	0	3,465
Lambuth College	593	0	0	0	0	0	0	0	593
Lane College	2,581	133	0	0	0	83	50	0	2,448
Le Moyne-Owen College	3,678	0	0	0	0	0	0	0	3,678
Lee College (Tenn)	1,712	0	0	0	0	0	0	0	1,712
Lincoln Memorial Univ	1,738	0	0	0	0	0	0	0	1,738
Martin College	374	0	0	0	0	0	0	0	374
Maryville College	612	30	0	0	0	0	0	30	582
McKenzie College	585	0	0	0	0	0	0	0	585
Meharry Medical College	17,545	7,878	5,923	0	0	118	1,837	0	9,667
Memphis Academy of Arts	190	0	0	0	0	0	0	0	190
Memphis State University	8,161	2,783	2,556	0	45	0	110	72	5,378
Mid-South Bible College	386	0	0	0	0	0	0	0	386
Middle Tennessee St Univ	6,061	280	280	0	0	0	0	0	5,781
Milligan College	493	0	0	0	0	0	0	0	493
Morristown College	350	0	0	0	0	0	0	0	350
Motlow State Cmty College	1,166	0	0	0	0	0	0	0	1,166
OMore Sch Architec Inter	25	0	0	0	0	0	0	0	25
Rhodes College	584	38	0	0	15	0	23	0	546
Roane State Community Col	1,437	0	0	0	0	0	0	0	1,437
Rutledge College-Mem	133	0	0	0	0	0	0	0	133
Shelby State Cmty College	3,112	0	0	0	0	0	0	0	3,112
Southern Col of Optometry	451	43	43	0	0	0	0	0	408
Southern Col of 7-Day Adv	1,074	0	0	0	0	0	0	0	1,074
State Tech Inst Knoxville	1,021	0	0	0	0	0	0	0	1,021
State Tech Inst Memphis	1,649	0	0	0	0	0	0	0	1,649
Tenn Technological Univ	1,040	1,040	985	0	55	0	0	0	0
Tennessee Inst Electronic	72	0	0	0	0	0	0	0	72
Tennessee State Univ	14,032	5,926	3,031	0	0	215	769	1,911	8,106
Tennessee Temple Univ	1,348	0	0	0	0	0	0	0	1,348
Tennessee Wesleyan Col	470	0	0	0	0	0	0	0	470
Tomlinson College	406	0	0	0	0	0	0	0	406
Trevecca Nazarene College	823	0	0	0	0	0	0	0	823
Tusculum College	1,891	0	0	0	0	0	0	0	1,891
U Tenn - Memphis	18,853	16,808	16,064	0	0	530	214	0	2,045
U Tennessee Chattanooga	2,855	200	200	0	0	0	0	0	2,655
U Tennessee Knoxville	39,557	31,733	19,229	118	32	408	535	11,411	7,824
Union University	913	0	0	0	0	0	0	0	913
Univ of Tenn System Off	720	620	560	0	0	60	0	0	100
Univ Tennessee at Martin	2,900	160	160	0	0	0	0	0	2,740
University of the South	604	0	0	0	0	0	0	0	604
Vanderbilt University	74,100	71,263	63,978	0	0	4,457	1,548	1,280	2,837
Volunteer State Cmty Col	690	0	0	0	0	0	0	0	690
Walters State Comm Coll	1,191	0	0	0	0	0	0	0	1,191
Texas, total	806,619	504,189	439,820	3,109	1,779	11,935	12,768	34,778	302,430
Abilene Christian Univ	1,982	80	80	0	0	0	0	0	1,902
Alamo Cmty Col Dist	11,648	0	0	0	0	0	0	0	11,648
Alvin Community College	462	0	0	0	0	0	0	0	462
Amarillo College	2,115	139	1	0	13	0	0	125	1,976

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Texas, cont'd									
Angelina College	831	0	0	0	0	0	0	0	831
Angelo State University	2,422	0	0	0	0	0	0	0	2,422
Arlington Baptist Coll	123	0	0	0	0	0	0	0	123
Austin Cmty Col (Tex)	3,615	0	0	0	0	0	0	0	3,615
Austin College	848	0	0	0	0	0	0	0	848
Baylor Col of Dentistry	851	801	759	0	0	16	26	0	50
Baylor Col of Medicine	74,640	72,715	69,499	0	0	1,682	443	1,091	1,925
Baylor University	5,307	1,344	1,271	0	0	53	20	0	3,963
Bee County College	2,450	0	0	0	0	0	0	0	2,450
Blinn College	789	0	0	0	0	0	0	0	789
Brazosport College	462	0	0	0	0	0	0	0	462
Brookhaven College	500	0	0	0	0	0	0	0	500
Cedar Valley College	352	0	0	0	0	0	0	0	352
Central Texas College	2,290	0	0	0	0	0	0	0	2,290
Cisco Junior College	501	0	0	0	0	0	0	0	501
Clarendon College	609	0	0	0	0	0	0	0	609
College of the Mainland	1,027	0	0	0	0	0	0	0	1,027
Concordia Lutheran Col	336	0	0	0	0	0	0	0	336
Cooke County College	565	0	0	0	0	0	0	0	565
Corpus Christi State Univ	1,243	196	0	0	0	0	0	196	1,047
Dallas Baptist College	888	0	0	0	0	0	0	0	888
Dallas Christian College	65	0	0	0	0	0	0	0	65
Del Mar College	4,019	0	0	0	0	0	0	0	4,019
East Texas Baptist Col	734	0	0	0	0	0	0	0	734
East Texas State Univ	2,714	110	0	0	0	0	0	110	2,604
Eastfield College	556	0	0	0	0	0	0	0	556
El Centro College	829	0	0	0	0	0	0	0	829
El Paso Cmty College	16,465	2,011	0	0	1,250	0	109	652	14,454
Frank Phillips College	248	0	0	0	0	0	0	0	248
Galveston College	790	24	0	0	24	0	0	0	766
Grayson County College	991	0	0	0	0	0	0	0	991
Gulf Coast Bible College	282	0	0	0	0	0	0	0	282
Hardin-Simmons University	1,162	0	0	0	0	0	0	0	1,162
Hill Junior College	762	0	0	0	0	0	0	0	762
Houston Baptist Univ	878	160	0	0	0	0	0	160	718
Houston Community College	5,104	135	59	0	1	75	0	0	4,969
Howard Col at Big Springs	635	0	0	0	0	0	0	0	635
Howard Payne University	1,087	0	0	0	0	0	0	0	1,087
Huston-Tillotson College	1,540	0	0	0	0	0	0	0	1,540
Incarnate Word College	2,695	0	0	0	0	0	0	0	2,695
Jacksonville College	274	0	0	0	0	0	0	0	274
Jarvis Christian College	1,854	59	59	0	0	0	0	0	1,795
Kilgore College	1,390	0	0	0	0	0	0	0	1,390
Lamar University	6,031	1,961	1,589	0	113	0	259	0	4,070
Laredo Junior College	3,571	0	0	0	0	0	0	0	3,571
Laredo State University	582	73	0	0	0	0	0	73	509
Lee College (Tex)	418	0	0	0	0	0	0	0	418
LeTourneau University	786	30	30	0	0	0	0	0	756
Lon Morris College	291	0	0	0	0	0	0	0	291
Lubbock Christian College	823	0	0	0	0	0	0	0	823
McLennan Community Col	2,638	0	0	0	0	0	0	0	2,638
McMurry College	1,063	0	0	0	0	0	0	0	1,063
Midland College	740	0	0	0	0	0	0	0	740
Midwestern State Univ	1,525	32	32	0	0	0	0	0	1,493
Mountain View College	360	0	0	0	0	0	0	0	360
Navarro College	1,444	0	0	0	0	0	0	0	1,444
North Harris Co College	675	0	0	0	0	0	0	0	675
Northlake College	412	0	0	0	0	0	0	0	412
Odessa College	948	0	0	0	0	0	0	0	948
Our Lady of the Lake Univ	2,219	331	0	0	5	0	326	0	1,888
Paris Junior College	1,294	0	0	0	0	0	0	0	1,294
Parker Coll of Chiropract	163	0	0	0	0	0	0	0	163
Paul Quinn College	1,552	57	25	0	0	0	32	0	1,495
Prairie View A & M Univ	13,281	5,654	2,839	60	0	103	352	2,300	7,627
Ranger Junior College	503	0	0	0	0	0	0	0	503
Rice University	20,561	19,172	14,300	0	0	289	135	4,468	1,389
Richland College	478	0	0	0	0	0	0	0	478
Sam Houston State Univ	3,586	117	0	0	0	0	0	117	3,469
San Jacinto Col Ctrl Cam	1,552	0	0	0	0	0	0	0	1,552
Schreiner College	483	0	0	0	0	0	0	0	483
South Plains College	1,715	0	0	0	0	0	0	0	1,715
South Texas Col of Law	202	0	0	0	0	0	0	0	202
Southern Methodist Univ	9,987	7,834	7,331	0	0	18	95	390	2,153
Southwest Texas Jr Col	1,743	0	0	0	0	0	0	0	1,743
Southwest Texas St Univ	7,475	1,691	575	0	8	0	823	485	5,784
Southwestern Adventist C	636	0	0	0	0	0	0	0	636
Southwestern Univ (TX)	804	0	0	0	0	0	0	0	804
Southwestn Assemb God Col	867	0	0	0	0	0	0	0	867
Southwestn Christian Col	888	0	0	0	0	0	0	0	888

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Texas, cont'd									
St Edward's University	2,192	25	25	0	0	0	0	0	2,167
St Mary's Univ S Antonio	3,651	340	0	0	0	143	197	0	3,311
Stephen F Austin St Univ	3,967	632	219	0	0	0	74	339	3,335
Sul Ross State University	1,670	71	14	0	57	0	0	0	1,599
Tarleton State University	2,807	0	0	0	0	0	0	0	2,807
Temple Junior College	748	0	0	0	0	0	0	0	748
Texarkana College	969	0	0	0	0	0	0	0	969
Texas A & I University	5,947	869	389	0	0	36	352	92	5,078
Texas A & M Univ Sys Off	1,859	1,842	1,394	0	0	0	376	72	17
Texas A & M University	77,655	65,052	44,928	1,852	0	1,302	426	16,544	12,603
Texas Chiropractic Col	316	0	0	0	0	0	0	0	316
Texas Christian Univ	4,894	2,206	2,206	0	0	0	0	0	2,688
Texas Col of Osteo Med	2,728	2,495	2,273	0	0	81	141	0	233
Texas College	1,571	0	0	0	0	0	0	0	1,571
Texas Lutheran College	723	0	0	0	0	0	0	0	723
Texas Southern Univ	11,285	2,013	1,612	0	0	110	79	212	9,272
Texas Southmost College	2,530	9	0	0	9	0	0	0	2,521
Texas State Tech Inst	5,630	61	0	0	61	0	0	0	5,569
Texas Tech University	18,022	8,169	7,182	0	0	92	780	115	9,853
Texas Wesleyan University	727	0	0	0	0	0	0	0	727
Texas Woman's University	4,254	1,399	496	0	0	0	446	457	2,855
Trinity University	2,438	866	754	0	88	24	0	0	1,572
Trinity Valley Comm Col	1,123	0	0	0	0	0	0	0	1,123
Tyler Junior College	2,172	0	0	0	0	0	0	0	2,172
U of Houston Downtown Col	4,005	1,006	1,006	0	0	0	8	0	2,999
U of Houston Sys Off	2	2	2	0	0	0	0	0	0
U of Houston Univ Park	24,328	15,193	14,390	0	0	337	105	361	9,135
U of Texas at San Antonio	6,943	1,979	829	0	43	164	705	238	4,964
U Tex Hlth Sci Ctr Housth	33,120	29,849	28,591	0	0	841	417	0	3,271
U Tex Hlth Sci Ctr S Anto	36,954	33,463	31,534	0	0	875	662	392	3,491
U Tex Med Brnch Galveston	26,199	24,253	23,096	488	0	319	327	23	1,946
U Tex Sw Med Ctr - Dallas	55,192	52,642	48,591	277	0	2,573	503	698	2,550
U TX - Pan American Univ	13,336	1,019	77	0	0	0	794	148	12,317
U TX MD Anderson Cncr Ctr	29,202	29,202	27,772	432	0	739	256	3	0
Univ of Central Texas	190	0	0	0	0	0	0	0	190
Univ of Mary Hardin-Baylr	856	0	0	0	0	0	0	0	856
Univ of North Texas	8,712	3,504	1,960	0	0	32	956	556	5,208
Univ of Tex at Arlington	9,578	1,744	1,478	0	0	104	0	162	7,834
Univ of Tex at Tyler	855	0	0	0	0	0	0	0	855
Univ of Tex Permian Basin	781	44	0	0	0	44	0	0	737
Univ of Texas at Austin	87,717	87,432	84,619	0	0	1,520	1,027	266	285
Univ of Texas at Dallas	6,541	5,530	5,281	0	0	16	212	21	1,011
Univ of Texas at El Paso	15,538	7,613	3,180	0	107	240	913	3,173	7,925
Univ of Texas System Off	16,476	2,968	2,044	0	0	127	600	197	13,508
Univ Houstn Clr Lake City	6,419	5,581	5,374	0	0	0	0	207	838
University of Dallas	683	0	0	0	0	0	0	0	683
University of St Thomas	881	335	0	0	0	0	0	335	546
Vernon Regional Jr Col	586	0	0	0	0	0	0	0	586
Victoria College	457	0	0	0	0	0	0	0	457
Wayland Baptist College	1,092	0	0	0	0	0	0	0	1,092
Weatherford College	360	0	0	0	0	0	0	0	360
West Texas State Univ	2,449	0	0	0	0	0	0	0	2,449
Western Texas College	354	0	0	0	0	0	0	0	354
Wharton County Junior Col	1,042	0	0	0	0	0	0	0	1,042
Wiley College	1,667	55	55	0	0	0	0	0	1,612
Utah, total	194,328	126,791	108,117	7,125	0	1,970	2,529	7,050	67,537
Brigham Young University	24,100	3,812	3,537	0	0	33	11	231	20,288
College of Eastern Utah	1,433	0	0	0	0	0	0	0	1,433
Dixie College	1,733	0	0	0	0	0	0	0	1,733
Salt Lake Community Col	5,757	0	0	0	0	0	0	0	5,757
Southern Utah State Col	2,850	0	0	0	0	0	0	0	2,850
University of Utah	84,810	72,106	61,361	7,125	0	1,792	1,334	494	12,704
Utah State University	61,506	50,735	43,219	0	0	81	1,184	6,251	10,771
Utah Valley Comm Col	3,659	60	0	0	0	60	0	0	3,599
Weber State College	7,398	78	0	0	0	4	0	74	7,320
Westminster College (UT)	1,082	0	0	0	0	0	0	0	1,082
Vermont, total	60,532	36,756	29,630	1,486	145	745	1,612	3,218	23,776
Bennington College	452	0	0	0	0	0	0	0	452
Burlington College	418	41	0	0	0	0	41	0	377
Castleton State College	1,416	0	0	0	0	0	0	0	1,416
Champlain College	1,481	0	0	0	0	0	0	0	1,481
Cmty Col of Vermont	1,316	0	0	0	0	0	0	0	1,316
Col of St Joseph the Prov	242	0	0	0	0	0	0	0	242
Goddard College	275	0	0	0	0	0	0	0	275
Green Mountain College	309	0	0	0	0	0	0	0	309

See explanatory material at end of table.

(Continued)

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[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Vermont, cont'd									
Johnson State College	1,694	0	0	0	0	0	0	0	1,694
Lyndon State College	1,146	0	0	0	0	0	0	0	1,146
Marlboro College	253	0	0	0	0	0	0	0	253
Middlebury College	1,530	330	279	0	51	0	0	0	1,200
Norwich University	4,947	67	0	0	0	0	67	0	4,880
St Joseph Col (VT)	823	0	0	0	0	0	0	0	823
St Michael's College	810	0	0	0	0	0	0	0	810
Sterling Institute	42	0	0	0	0	0	0	0	42
Trinity Col (VT)	1,185	675	0	0	0	0	0	675	510
Univ of VT & St Agric Col	41,379	35,575	29,351	1,406	94	745	1,436	2,543	5,804
Vermont Law School	238	0	0	0	0	0	0	0	238
Vermont Technical College	576	68	0	0	0	0	68	0	508
Virginia, total	281,204	181,976	155,454	209	274	7,199	4,583	14,257	99,228
Averett College	526	0	0	0	0	0	0	0	526
Blue Ridge Community Col	248	0	0	0	0	0	0	0	248
Bluefield College	241	0	0	0	0	0	0	0	241
Bridgewater College	518	0	0	0	0	0	0	0	518
Central Virginia Cmty Col	498	0	0	0	0	0	0	0	498
College of William & Mary	6,850	4,488	4,043	0	47	54	335	9	2,362
Comm Hosp Roanoke Val Col	59	0	0	0	0	0	0	0	59
Dabney Lancaster Cmty Col	598	0	0	0	0	0	0	0	598
Danville Community Col	670	0	0	0	0	0	0	0	670
Eastern Mennonite College	1,605	0	0	0	0	0	0	0	1,605
Eastern Shore Cmty Col	160	0	0	0	0	0	0	0	160
Eastern VA Medical School	7,180	6,043	5,987	0	0	0	56	0	1,137
Emory & Henry College	453	0	0	0	0	0	0	0	453
Ferrum College	743	0	0	0	0	0	0	0	743
George Mason University	6,438	2,998	2,248	0	16	0	487	247	3,440
Germanna Community Col	171	0	0	0	0	0	0	0	171
Hampden-Sydney College	366	94	61	0	8	0	25	0	272
Hampton University	10,193	4,380	3,464	0	0	357	422	137	5,813
Hollins College	315	0	0	0	0	0	0	0	315
J Sgt Reynolds Com Col	2,137	0	0	0	0	0	0	0	2,137
James Madison University	2,165	372	32	0	45	0	295	0	1,793
John Tyler Community Col	793	0	0	0	0	0	0	0	793
Liberty University	4,409	0	0	0	0	0	0	0	4,409
Longwood College	1,189	30	30	0	0	0	0	0	1,159
Lord Fairfax Cmty College	442	0	0	0	0	0	0	0	442
Lynchburg College	746	127	0	0	0	0	127	0	619
Mary Baldwin College	394	0	0	0	0	0	0	0	394
Mary Washington College	712	18	18	0	0	0	0	0	694
Marymount Col of Virginia	472	0	0	0	0	0	0	0	472
Mountain Empire Cmty Col	1,598	24	24	0	0	0	0	0	1,574
National Business Col	1,579	0	0	0	0	0	0	0	1,579
New River Community Col	1,094	34	0	0	0	0	0	34	1,060
Norfolk State University	10,085	1,366	816	0	0	154	297	99	8,719
Old Dominion University	13,332	8,060	7,447	0	45	568	0	0	5,272
Patrick Henry Cmty Col	759	0	0	0	0	0	0	0	759
Paul D Camp Cmty College	591	0	0	0	0	0	0	0	591
Piedmont VA Community Col	534	0	0	0	0	0	0	0	534
Radford University	2,764	36	0	0	0	36	0	0	2,728
Randolph-Macon College	344	0	0	0	0	0	0	0	344
Randolph-Macon Womans Col	326	12	0	0	12	0	0	0	314
Rappahannock Cmty College	152	0	0	0	0	0	0	0	152
Roanoke College	731	14	0	0	14	0	0	0	717
Shenandoah College	774	0	0	0	0	0	0	0	774
Southern Seminary Jr Col	1,221	0	0	0	0	0	0	0	1,221
Southside VA Cmty College	1,137	0	0	0	0	0	0	0	1,137
Southwest VA Cmty Col	2,193	0	0	0	0	0	0	0	2,193
St Paul's Col (VA)	1,300	0	0	0	0	0	0	0	1,300
Sweet Briar College	301	64	22	0	42	0	0	0	237
Thomas Nelson Cmty Col	1,552	0	0	0	0	0	0	0	1,552
Tidewater Community Col	282	0	0	0	0	0	0	0	282
University of Richmond	840	219	174	0	45	0	0	0	621
University of Virginia	63,319	57,292	51,990	83	0	3,806	1,217	216	6,027
Virginia Commonwlth Univ	53,290	45,692	42,684	0	0	1,571	1,023	414	7,598
Virginia Intermont Col	556	0	0	0	0	0	0	0	556
Virginia Military Inst	479	0	0	0	0	0	0	0	479
Virginia State University	9,649	4,066	1,776	0	0	279	0	2,011	5,583
Virginia Union University	3,004	0	0	0	0	0	0	0	3,004
Virginia Wesleyan College	570	0	0	0	0	0	0	0	570
Virginia Western Comm Col	1,203	0	0	0	0	0	0	0	1,203
VA Highlands Cmty College	993	0	0	0	0	0	0	0	993
VA Polytech Inst & St U	51,457	46,491	34,585	146	0	374	299	11,087	4,966
Washington & Lee Univ	310	56	53	0	0	0	0	3	254
Wytheville Community Col	1,594	0	0	0	0	0	0	0	1,594

See explanatory material at end of table.

(Continued)

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Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

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State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Washington, total	371,819	256,643	224,465	6,074	287	10,783	4,600	10,434	115,176
Bellevue Community Col	1,252	0	0	0	0	0	0	0	1,252
Big Bend Community Col	905	0	0	0	0	0	0	0	905
Central Washington Univ	4,761	456	92	0	0	0	166	198	4,305
Centralia College	1,789	0	0	0	0	0	0	0	1,789
City College	336	0	0	0	0	0	0	0	336
Clark College	1,805	0	0	0	0	0	0	0	1,805
Cogswell College North	11	0	0	0	0	0	0	0	11
Columbia Basin College	1,465	0	0	0	0	0	0	0	1,465
Eastern Washington Univ	6,352	356	183	0	0	14	91	68	5,996
Edmonds Community College	1,007	58	0	0	0	0	58	0	949
Everett Community College	1,364	0	0	0	0	0	0	0	1,364
Evergreen State College	2,872	156	130	0	26	0	0	0	2,716
Fort Stallacoom Cmty Col	971	0	0	0	0	0	0	0	971
Gonzaga University	5,219	2,178	121	1,819	65	14	159	0	3,041
Grays Harbor College	740	0	0	0	0	0	0	0	740
Green River Cmty College	1,418	0	0	0	0	0	0	0	1,418
Griffin College	3,408	0	0	0	0	0	0	0	3,408
Heritage College	124	124	124	0	0	0	0	0	0
Highline Community Col	1,345	71	0	0	0	0	71	0	1,274
ITT Paterson Sch of Bus	172	0	0	0	0	0	0	0	172
John Bastyr Col Med	77	0	0	0	0	0	0	0	77
Lower Columbia College	1,239	0	0	0	0	0	0	0	1,239
NW Col Assemblies of God	468	0	0	0	0	0	0	0	468
Olympic College	1,261	0	0	0	0	0	0	0	1,261
Pacific Lutheran Univ	2,684	166	0	0	152	14	0	0	2,518
Peninsula College	556	0	0	0	0	0	0	0	556
Puget Snd Christian Col	46	0	0	0	0	0	0	0	46
Seattle Community College	6,768	583	0	0	0	0	76	507	6,185
Seattle Pacific Univ	2,117	0	0	0	0	0	0	0	2,117
Seattle University	3,086	653	11	0	0	0	0	642	2,433
Shoreline Community Col	1,312	0	0	0	0	0	0	0	1,312
Skagit Valley College	1,267	0	0	0	0	0	0	0	1,267
So Puget Sound Cmty Col	913	0	0	0	0	0	0	0	913
Spokane Community College	4,224	0	0	0	0	0	0	0	4,224
Spokane Falls Cmty Col	4,121	30	0	0	0	0	0	30	4,091
St Martin's College	547	0	0	0	0	0	0	0	547
Tacoma Community College	1,641	0	0	0	0	0	0	0	1,641
University of Puget Sound	3,547	584	455	0	7	8	0	113	2,963
University of Washington	246,883	222,126	203,691	952	0	10,351	3,442	3,690	24,757
Walla Walla College	1,415	0	0	0	0	0	0	0	1,415
Walla Walla Community Col	1,795	30	0	0	0	0	0	30	1,765
Wash St CC Dist 17 Sys of	20	20	20	0	0	0	0	0	0
Washington State Univ	37,068	28,153	19,172	3,303	0	382	421	4,875	8,915
Wenatchee Valley Col	985	0	0	0	0	0	0	0	985
Western Washington Univ	5,065	442	346	0	17	0	79	0	4,623
Whatcom Community College	682	0	0	0	0	0	0	0	682
Whitman College	786	64	64	0	0	0	0	0	722
Whitworth College	1,779	112	55	0	20	0	37	0	1,667
Yakima Valley Cmty Col	2,151	281	0	0	0	0	0	281	1,870
West Virginia, total	78,642	33,317	15,092	11,263	257	428	777	5,500	45,325
Alderson Broaddus College	1,321	432	0	432	0	0	0	0	889
Appalachian Bible College	169	0	0	0	0	0	0	0	169
Beckley College	1,349	170	170	0	0	0	0	0	1,179
Bethany College (WV)	1,095	0	0	0	0	0	0	0	1,095
Bluefield State College	2,777	0	0	0	0	0	0	0	2,777
Concord College	2,303	0	0	0	0	0	0	0	2,303
Davis & Elkins College	1,041	0	0	0	0	0	0	0	1,041
Fairmont State College	3,125	12	5	0	7	0	0	0	3,113
Glenville State College	1,449	0	0	0	0	0	0	0	1,449
Huntington Jr College	552	0	0	0	0	0	0	0	552
Marshall University	7,493	1,770	1,633	0	45	0	92	0	5,723
Ohio Valley College	344	0	0	0	0	0	0	0	344
Potomac St Col of WVA Un	556	8	8	0	0	0	0	0	548
Salem College	1,448	35	35	0	0	0	0	0	1,413
Shepherd College	802	5	0	0	5	0	0	0	797
Southern W VA Cmty Col	1,170	0	0	0	0	0	0	0	1,170
U WV Col Graduate Studies	3	0	0	0	0	0	0	0	3
University of Charleston	791	0	0	0	0	0	0	0	791
W VA Northern Cmty Col	951	0	0	0	0	0	0	0	951
W VA Schl Osteopathic Med	205	0	0	0	0	0	0	0	205
West Liberty State Col	1,727	0	0	0	0	0	0	0	1,727
West Virginia Inst Tech	1,974	0	0	0	0	0	0	0	1,974
West Virginia State Col	2,923	165	75	0	0	16	5	69	2,758
West Virginia University	39,685	30,520	13,166	10,831	200	412	680	5,231	9,365
West Virginia Wesleyn Col	1,091	0	0	0	0	0	0	0	1,091
Wheeling College	1,172	200	0	0	0	0	0	200	972

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
West Virginia, cont'd									
WV Univ at Parkersburg	926	0	0	0	0	0	0	0	926
Wisconsin, total	361,754	211,188	186,093	1,726	428	6,975	3,029	12,937	150,566
Alverno College	1,274	60	0	0	0	14	46	0	1,214
Beloit College	1,019	50	50	0	0	0	0	0	969
Blackhawk Technical Inst	1,347	0	0	0	0	0	0	0	1,347
Cardinal Stritch College	699	0	0	0	0	0	0	0	699
Carroll College (WI)	1,561	0	0	0	0	0	0	0	1,561
Carthage College	860	0	0	0	0	0	0	0	860
Concordia University, WI	916	0	0	0	0	0	0	0	916
District One Tech Inst	3,044	0	0	0	0	0	0	0	3,044
Edgewood College	378	0	0	0	0	0	0	0	378
Fox Valley Technical Inst	1,622	0	0	0	0	0	0	0	1,622
Gateway Technical Inst	2,236	0	0	0	0	0	0	0	2,236
Inst of Paper Sci & Tech	962	962	962	0	0	0	0	0	0
Lakeland College	679	0	0	0	0	0	0	0	679
Lakeshore Tech Institute	721	0	0	0	0	0	0	0	721
Lawrence University	813	77	64	0	13	0	0	0	736
Maranatha Baptist Bible C	249	0	0	0	0	0	0	0	249
Marian Col of Fond Du Lac	204	0	0	0	0	0	0	0	204
Marquette University	8,689	1,987	1,862	0	0	111	14	0	6,702
Medical College of Wis	20,918	20,317	19,585	0	0	389	219	124	601
Mid-State Technical Inst	1,160	0	0	0	0	0	0	0	1,160
Milwaukee Area Tech Col	9,445	672	0	0	0	0	0	672	8,773
Milwaukee Inst Art & Dsgn	352	0	0	0	0	0	0	0	352
Milwaukee School of Eng	41	41	0	0	41	0	0	0	0
Milwaukee Stratton Col	559	0	0	0	0	0	0	0	559
Moraine Park Tech Inst	1,016	0	0	0	0	0	0	0	1,016
Mount Mary College	620	0	0	0	0	0	0	0	620
Mount Senario College	1,303	0	0	0	0	0	0	0	1,303
Nicolet Col & Tech Inst	975	0	0	0	0	0	0	0	975
North Central Tech Inst	2,186	0	0	0	0	0	0	0	2,186
Northland College	2,811	0	0	0	0	0	0	0	2,811
Northwestern Col (WI)	152	0	0	0	0	0	0	0	152
Ripon College	779	0	0	0	0	0	0	0	779
Silver Lake College	540	0	0	0	0	0	0	0	540
St Norbert College	1,439	28	14	0	14	0	0	0	1,411
SW Wis Voc Tech Inst	1,104	0	0	0	0	0	0	0	1,104
Univ of Wis-Center System	45	45	45	0	0	0	0	0	0
Univ of Wis-Eau Claire	8,452	534	257	0	126	0	151	0	7,918
Univ of Wis-Green Bay	3,229	216	190	0	26	0	0	0	3,013
Univ of Wis-La Crosse	6,064	469	283	0	57	0	129	0	5,595
Univ of Wis-Madison	178,913	171,168	150,474	1,726	7	6,277	1,977	10,707	7,745
Univ of Wis-Milwaukee	18,645	7,048	6,283	0	0	184	260	321	11,597
Univ of Wis-Oshkosh	5,984	178	111	0	67	0	0	0	5,806
Univ of Wis-Parkside	2,857	456	456	0	0	0	0	0	2,401
Univ of Wis-Platteville	4,186	63	0	0	63	0	0	0	4,123
Univ of Wis-River Falls	5,589	76	76	0	0	0	0	0	5,513
Univ of Wis-Stevens Point	8,066	188	115	0	0	0	0	73	7,878
Univ of Wis-Stout	8,121	2,029	1,040	0	14	0	100	875	6,092
Univ of Wis-Superior	2,752	549	549	0	0	0	0	0	2,203
Univ of Wis-Whitewater	5,596	778	480	0	0	0	133	165	4,818
Univ of Wisconsin Sys Off	23,809	3,197	3,197	0	0	0	0	0	20,612
Viterbo College	1,084	0	0	0	0	0	0	0	1,084
Waukesha County Tech Inst	940	0	0	0	0	0	0	0	940
Western Wisc Tech Inst	2,096	0	0	0	0	0	0	0	2,096
Wis Indnhd Vo Tech Ed Dis	2,524	0	0	0	0	0	0	0	2,524
Wisconsin Lutheran Col	129	0	0	0	0	0	0	0	129
Wyoming, total	24,329	12,415	10,349	0	8	187	33	1,838	11,914
Casper College	1,392	110	0	0	0	110	0	0	1,282
Central Wyoming College	799	0	0	0	0	0	0	0	799
Eastern Wyoming College	508	0	0	0	0	0	0	0	508
Laramie County Cmty Col	971	0	0	0	0	0	0	0	971
Northwest College	859	45	37	0	8	0	0	0	814
Sheridan College	507	0	0	0	0	0	0	0	507
University of Wyoming	18,917	12,260	10,312	0	0	77	33	1,838	6,657
Western Wyoming Cmty Col	376	0	0	0	0	0	0	0	376
Guam, total	4,530	2,669	1,193	0	0	0	15	1,461	1,861
Guam Community College	1,329	0	0	0	0	0	0	0	1,329
University of Guam	3,201	2,669	1,193	0	0	0	15	1,461	532

See explanatory material at end of table.

(Continued)

Table C-16. -- Federal obligations to universities and colleges by State, institution, and type of activity: fiscal year 1989

[Dollars in thousands]

(Page 38 of 38)

State & institution	Total, all activities	Academic science/engineering							Non-science/engineering
		Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
Puerto Rico, total	250,706	31,523	16,561	0	31	983	5,926	8,042	219,183
Aguadilla Regional Col	81	0	0	0	0	0	0	0	81
American Univ Puerto Rico	9,420	420	0	0	0	0	366	54	9,000
Antillian College	1,503	0	0	0	0	0	0	0	1,503
Bayamon Central Univ	6,639	0	0	0	0	0	0	0	6,639
Caguas City College	1,968	0	0	0	0	0	0	0	1,968
Caribbean University Col	5,707	45	0	0	0	0	45	0	5,662
Catholic Univ of P R	27,202	407	0	0	0	153	254	0	26,795
Center Adv Stud Pr&Carib	9	0	0	0	0	0	0	0	9
Consv of Music of P R	162	0	0	0	0	0	0	0	162
Elec Data Proc Col-P Rico	2,535	0	0	0	0	0	0	0	2,535
Fundacion Educ Mandez Sys	47	47	47	0	0	0	0	0	0
Huertas Junior College	2,419	0	0	0	0	0	0	0	2,419
Inst Com De P Rico Jr Col	1,405	0	0	0	0	0	0	0	1,405
Inter Am U Pr-Ctrl Off	485	171	0	0	0	0	171	0	314
Inter Am U Pr-San German	51,225	499	27	0	31	0	325	116	50,726
Inter Amer U of Pr Metrop	1,307	48	0	0	0	0	48	0	1,259
Polytech Univ of P R	4,942	258	0	0	0	0	258	0	4,684
Ponce School of Medicine	1,429	1,120	547	0	0	0	573	0	309
Puerto Rico Jr Col	34,912	0	0	0	0	0	0	0	34,912
Tech Col/Munc of San Juan	1,296	0	0	0	0	0	0	0	1,296
Turabo University College	258	0	0	0	0	0	0	0	258
U Ctrl Del Caribe Esc Med	568	459	459	0	0	0	0	0	109
U P R - Carolina Reg Col	352	0	0	0	0	0	0	0	352
U P R - Regional Col Admn	50,162	284	280	0	0	0	0	4	49,878
Un of Pr Ponce Tech Univ	165	0	0	0	0	0	0	0	165
Univ of the Sacred Heart	11,100	163	39	0	0	0	0	124	10,937
Univ of P R-Cayey U Col	763	319	0	0	0	0	319	0	444
Univ of P R-Humacao U Col	853	400	0	0	0	124	276	0	453
Univ of P R-Mayaguez	14,003	13,705	5,592	0	0	101	545	7,467	298
Univ of P R-Med Sci Cmpus	10,947	7,120	5,918	0	0	56	1,096	50	3,827
Univ of P R-Rio Piedras	3,482	3,126	947	0	0	529	1,650	0	356
Univ of P R, System Off	2,820	2,705	2,705	0	0	0	0	0	115
Universidad Metropolitana	540	227	0	0	0	0	0	227	313
American Samoa, total	921	660	290	0	0	0	0	370	261
American Samoa Cmty Col	921	660	290	0	0	0	0	370	261
Virgin Islands, total	3,040	2,083	1,052	0	0	0	287	744	957
U of the Virgin Islands	3,040	2,083	1,052	0	0	0	287	744	957
Trust Territory Pac Isl, total	2,938	1,663	777	0	0	0	0	886	1,275
Cmty Col of Micronesia	781	718	290	0	0	0	0	428	63
Micronesian Occup College	446	0	0	0	0	0	0	0	446
No Marianas College	1,711	945	487	0	0	0	0	458	766

1/ See Technical Notes, scope of survey.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-17. Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
United States, total	15,657,609	728,568	81,360	1,487,732	5,533,995	565,518	85,817	5,204,634	67,759	461,941	1,336,231	104,054
Alabama, total	262,716	19,949	328	13,139	109,214	1,970	463	89,189	1,074	18,554	6,914	1,922
Ala Avn and Tech College	420	0	0	0	420	0	0	0	0	0	0	0
Alabama A & M University	10,904	3,045	0	251	4,272	385	12	396	0	1,229	1,314	0
Alabama State University	7,813	0	0	0	7,130	0	0	609	0	0	74	0
Alexander City St Jr Col	187	0	0	0	187	0	0	0	0	0	0	0
Athens State College	598	0	0	0	598	0	0	0	0	0	0	0
Auburn University	30,996	13,466	99	3,440	6,928	1,058	439	309	799	2,181	990	1,287
Bessemer St Tech Col	720	0	0	0	720	0	0	0	0	0	0	0
Birmingham Southern Col	769	0	0	0	758	0	0	0	0	0	11	0
Bishop St Comm Col	2,166	0	0	0	2,027	0	0	139	0	0	0	0
Brewer State Junior Col	614	0	0	0	614	0	0	0	0	0	0	0
Calhoun State Cmty Col	1,742	0	0	0	1,687	0	0	0	0	0	55	0
Chattahoochee Val St CC	536	0	0	0	536	0	0	0	0	0	0	0
Chauncey Sparks St Tech	449	0	0	0	449	0	0	0	0	0	0	0
Concordia College	1,031	0	0	0	1,031	0	0	0	0	0	0	0
Douglas Macarthur St Te C	419	0	0	0	419	0	0	0	0	0	0	0
Enterprise State JC	1,185	0	0	0	1,185	0	0	0	0	0	0	0
Faulkner State Junior Col	1,156	0	0	0	1,156	0	0	0	0	0	0	0
Faulkner University	1,882	0	0	0	1,882	0	0	0	0	0	0	0
G C Wallace St C C Dothan	1,190	0	0	0	1,190	0	0	0	0	0	0	0
G C Wallace St CC Selma	836	0	0	0	836	0	0	0	0	0	0	0
Gadsden Jr Comm College	33	0	0	33	0	0	0	0	0	0	0	0
Harry M Ayers St Tech C	234	0	0	0	234	0	0	0	0	0	0	0
Hobson State Tech C	297	0	0	0	297	0	0	0	0	0	0	0
Huntingdon College	344	0	0	0	344	0	0	0	0	0	0	0
J F Drake St Tech	734	0	0	0	734	0	0	0	0	0	0	0
Jacksonville State Univ	3,756	0	0	0	3,688	0	0	68	0	0	0	0
Jefferson Davis St Jr Col	583	0	0	0	583	0	0	0	0	0	0	0
Jefferson State Jr Col	3,440	0	0	0	3,427	0	0	0	0	0	13	0
John M. Patterson St Tech	223	0	0	0	223	0	0	0	0	0	0	0
Judson College	216	0	0	0	216	0	0	0	0	0	0	0
Lawson State Cmty College	2,540	0	0	0	2,540	0	0	0	0	0	0	0
Livingston University	1,248	0	0	0	1,248	0	0	0	0	0	0	0
Lurleen B Wallace St Jr C	1,287	0	0	0	1,287	0	0	0	0	0	0	0
Marion Military Institute	168	0	0	0	168	0	0	0	0	0	0	0
Miles College	2,327	0	0	0	2,327	0	0	0	0	0	0	0
Mobile College	727	0	0	0	727	0	0	0	0	0	0	0
N F Nunnelly St Tech C	579	0	0	0	579	0	0	0	0	0	0	0
N W Ala St Tech College	500	0	0	0	500	0	0	0	0	0	0	0
National Inst of Tech	109	0	0	0	109	0	0	0	0	0	0	0
Northeast Ala St Jr Col	541	0	0	0	541	0	0	0	0	0	0	0
Northwest Alabama St CC	1,778	0	0	0	1,778	0	0	0	0	0	0	0
Oakwood College	2,242	0	0	0	2,135	0	0	107	0	0	0	0
Patrick Henry St Jr Col	597	0	0	0	597	0	0	0	0	0	0	0
R.E.T.S. Electronic Inst	964	0	0	0	964	0	0	0	0	0	0	0
Reid State Technical C	203	0	0	0	203	0	0	0	0	0	0	0
Samford University	1,222	0	0	0	1,222	0	0	0	0	0	0	0
Selma University	1,403	0	0	0	1,087	0	0	316	0	0	0	0
Shelton State Cmty Col	2,029	0	0	0	2,017	0	12	0	0	0	0	0
Shoals Community College	425	0	0	0	425	0	0	0	0	0	0	0
Snead State Junior Col	473	0	0	0	473	0	0	0	0	0	0	0
Southeastern Bible Col	75	0	0	0	75	0	0	0	0	0	0	0
Southern Junior College	497	0	0	0	497	0	0	0	0	0	0	0
Southern Technical Coll	109	0	0	0	109	0	0	0	0	0	0	0
Southern Union St Jr Col	972	0	0	0	972	0	0	0	0	0	0	0
Southwest St Tech Col	846	0	0	0	846	0	0	0	0	0	0	0
Spring Hill College	702	0	0	0	702	0	0	0	0	0	0	0
Stillman College	2,884	0	0	0	2,629	0	0	255	0	0	0	0
Talladega College	2,310	0	0	0	2,169	0	0	141	0	0	0	0
The University of Alabama	11,821	32	124	430	7,337	377	0	1,930	275	273	1,043	0
Trenholm St Tech Col	1,418	0	0	0	1,418	0	0	0	0	0	0	0
Troy St U-Montgomery	186	0	0	0	186	0	0	0	0	0	0	0
Troy St Univ Main Campus	3,666	0	0	0	3,632	0	0	34	0	0	0	0
Tuskegee University	16,746	3,291	0	878	7,169	150	0	4,717	0	491	50	0
Univ of Alabama Sys Off	527	15	90	0	417	0	0	0	0	0	0	0
Univ of South Alabama	12,569	0	0	120	4,577	0	0	7,486	0	0	386	0
Univ Alabama Birmingham	85,566	100	15	1,279	6,127	0	0	72,297	0	2,659	2,459	630
Univ Alabama Huntsville	20,629	0	0	6,708	1,296	0	0	385	0	11,721	519	0
University of Montevallo	1,447	0	0	0	1,447	0	0	0	0	0	0	0
Walker College	562	0	0	0	562	0	0	0	0	0	0	0
Walker State Tech C	693	0	0	0	693	0	0	0	0	0	0	0
Wallace St CC-Hanceville	1,656	0	0	0	1,656	0	0	0	0	0	0	0
Alaska, total	24,845	2,493	2,467	754	6,028	704	0	1,061	786	3,383	7,169	0
Alaska Bible College	20	0	0	0	20	0	0	0	0	0	0	0
Alaska Pacific University	313	0	0	0	313	0	0	0	0	0	0	0
Sheldon Jackson College	299	0	0	0	299	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Alaska, cont'd												
Univ of Alaska Anchorage	3,853	0	126	0	3,034	0	0	482	132	0	79	0
Univ of Alaska Fairbanks	16,274	1,275	2,235	754	0	454	0	579	504	3,383	7,090	0
Univ of Alaska Southeast	411	0	100	0	161	0	0	0	150	0	0	0
Univ of Alaska System Off	3,675	1,218	6	0	2,201	250	0	0	0	0	0	0
Arizona, total	186,363	6,765	287	11,549	58,860	13,043	842	48,817	5,878	18,001	21,010	1,311
Amer Grad Sch Intl Managmt	232	0	0	0	232	0	0	0	0	0	0	0
American Indian Bible Ins	174	0	0	0	174	0	0	0	0	0	0	0
Arizona Col of the Bible	80	0	0	0	80	0	0	0	0	0	0	0
Arizona State University	44,389	0	20	2,878	15,740	11,302	231	4,431	0	1,821	7,715	251
Central Arizona College	892	0	0	0	892	0	0	0	0	0	0	0
Cochise College	1,593	0	0	62	1,531	0	0	0	0	0	0	0
Eastern Arizona College	1,334	0	0	0	1,334	0	0	0	0	0	0	0
Glendale Community Col	2,630	0	0	0	2,630	0	0	0	0	0	0	0
Grand Canyon University	1,532	0	0	0	1,532	0	0	0	0	0	0	0
Maricopa Tech Cmty Col	917	0	0	0	917	0	0	0	0	0	0	0
Mesa Community College	2,628	0	0	0	2,628	0	0	0	0	0	0	0
Mohave Cmty College	947	0	0	0	947	0	0	0	0	0	0	0
Navajo Community College	5,575	0	0	0	1,213	0	0	243	4,119	0	0	0
Northern Arizona Univ	10,290	144	0	34	7,955	0	12	796	69	30	1,250	0
Northland Pioneer College	762	0	0	0	762	0	0	0	0	0	0	0
Phoenix College	2,460	0	0	0	2,460	0	0	0	0	0	0	0
Pima County Comm Col Dist	22	0	0	0	0	0	0	0	0	0	22	0
Prescott College	448	0	0	0	448	0	0	0	0	0	0	0
Rich Mountain CC	350	0	0	0	350	0	0	0	0	0	0	0
Rio Salado Cmty College	355	0	0	0	355	0	0	0	0	0	0	0
Scottsdale Cmty College	956	0	0	0	956	0	0	0	0	0	0	0
South Mountain Cmty Col	700	0	0	0	700	0	0	0	0	0	0	0
SW Con Baptist Bible Coll	132	0	0	0	132	0	0	0	0	0	0	0
Univ & St Col of Ariz S O	410	1	0	0	0	0	0	0	409	0	0	0
University of Arizona	104,241	6,620	267	8,575	12,578	1,741	599	43,347	1,281	16,150	12,023	1,060
University of Phoenix	680	0	0	0	680	0	0	0	0	0	0	0
Western International U	75	0	0	0	75	0	0	0	0	0	0	0
Yavapai College	1,559	0	0	0	1,559	0	0	0	0	0	0	0
Arkansas, total	97,141	15,814	100	856	66,151	1,177	454	10,382	164	282	1,639	122
Arkansas Baptist College	980	0	0	0	980	0	0	0	0	0	0	0
Arkansas College	995	0	0	42	903	0	0	0	0	8	42	0
Arkansas State University	7,927	0	100	0	7,701	0	0	0	0	107	19	0
Arkansas Tech University	2,258	0	0	0	2,258	0	0	0	0	0	0	0
Capital City Junior Col	1,868	0	0	0	1,868	0	0	0	0	0	0	0
Central Baptist College	142	0	0	0	142	0	0	0	0	0	0	0
College of the Ozarks	757	0	0	0	757	0	0	0	0	0	0	0
Crowley's Ridge College	159	0	0	0	159	0	0	0	0	0	0	0
East Ark Cmty Col	1,337	0	0	0	1,337	0	0	0	0	0	0	0
Garland Cb Cmty Col	820	0	0	0	820	0	0	0	0	0	0	0
Harding University	3,051	0	0	0	3,051	0	0	0	0	0	0	0
Henderson State Univ	2,691	0	0	0	2,691	0	0	0	0	0	0	0
Hendrix College	713	0	0	0	658	0	0	0	0	0	55	0
John Brown University	712	0	0	0	701	0	0	11	0	0	0	0
Miss County Community Col	1,040	0	0	0	1,040	0	0	0	0	0	0	0
Northern Arkansas C Coll	1,727	0	0	0	1,727	0	0	0	0	0	0	0
Ouachita Baptist Univ	1,733	0	0	228	1,497	0	0	0	0	0	8	0
Philander Smith College	2,125	5	0	0	1,971	0	0	149	0	0	0	0
Phillips County Cmty Col	1,455	0	0	0	1,455	0	0	0	0	0	0	0
Shorter College	638	0	0	0	638	0	0	0	0	0	0	0
Southern Arkansas Univ	3,162	0	0	0	3,036	0	80	0	0	0	46	0
Southern Baptist College	736	0	0	0	736	0	0	0	0	0	0	0
U of Ark at Monticello	2,263	0	0	0	2,263	0	0	0	0	0	0	0
U of Arkansas Med Sci Cam	9,925	0	0	0	1,063	0	0	8,683	0	0	179	0
Univ of Ark Fayetteville	16,720	6,355	0	106	9,097	1,177	374	506	14	119	850	122
Univ of Ark Little Rock	11,719	6,826	0	354	3,475	0	0	426	150	48	440	0
Univ of Ark Pine Bluff	11,993	2,628	0	126	8,656	0	0	583	0	0	0	0
Univ of Central Arkansas	4,242	0	0	0	4,218	0	0	24	0	0	0	0
Westark Community College	1,253	0	0	0	1,253	0	0	0	0	0	0	0
California, total	1,773,548	25,601	4,442	169,452	370,903	98,271	6,933	760,101	5,609	109,625	217,089	5,522
Allan Hancock College	555	0	0	0	555	0	0	0	0	0	0	0
American Conserv Theatre	60	0	0	0	60	0	0	0	0	0	0	0
American River College	1,918	0	0	0	1,918	0	0	0	0	0	0	0
Antelope Valley College	931	0	0	0	931	0	0	0	0	0	0	0
Armstrong Sch of Business	38	0	0	0	38	0	0	0	0	0	0	0
Art Ctr Col of Design	691	0	0	0	691	0	0	0	0	0	0	0
Azusa Pacific University	1,395	0	0	0	1,080	0	0	315	0	0	0	0
Bakersfield College	1,158	0	0	0	1,158	0	0	0	0	0	0	0
Barstow College	343	0	0	0	343	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Bay-Valley Tech	53	0	0	0	53	0	0	0	0	0	0	0
Bethany Bible College	408	0	0	0	408	0	0	0	0	0	0	0
Biola University	1,037	0	0	0	1,037	0	0	0	0	0	0	0
Brooks Institute	302	0	0	0	302	0	0	0	0	0	0	0
Butte College	1,848	0	0	0	1,848	0	0	0	0	0	0	0
Cabrillo College	808	0	0	0	808	0	0	0	0	0	0	0
Cal Col of Podiatric Med	420	0	0	0	324	0	0	96	0	0	0	0
Cal Inst Integral Studies	27	0	0	0	27	0	0	0	0	0	0	0
Cal Poly St U San Luis Ob	7,502	26	0	5	6,237	0	268	0	37	170	759	0
Cal Sch Prof Psych-L A	1,102	0	0	0	0	0	0	1,102	0	0	0	0
Cal Sch Prof Psych-Sys of	83	0	0	0	0	0	0	83	0	0	0	0
Cal St U - San Bernadino	3,171	0	0	0	3,062	0	0	0	0	0	109	0
Cal St U Dominguez Hills	2,646	0	0	0	2,073	0	0	573	0	0	0	0
Cal Western School of Law	206	0	0	0	206	0	0	0	0	0	0	0
Calif Inst of the Arts	565	0	0	0	565	0	0	0	0	0	0	0
Calif St Poly Univ Pomona	5,720	0	0	0	5,639	0	0	0	0	0	81	0
Calif St U Bakersfield	1,765	0	0	0	1,621	0	0	0	0	0	144	0
Calif St Univ & Col Sys O	172	0	0	0	0	0	72	0	0	0	85	15
Calif St Univ Fullerton	1,379	0	0	0	0	55	0	229	0	16	1,079	0
Calif St Univ Hayward	3,038	0	0	0	2,838	0	0	101	0	50	49	0
Calif St Univ Long Beach	10,525	0	0	43	7,714	89	0	1,895	0	149	635	0
Calif St Univ Los Angeles	8,964	0	0	43	4,991	20	0	2,630	0	0	1,280	0
Calif St Univ Northridge	9,092	0	0	41	8,315	57	0	281	0	106	292	0
Calif St Univ Sacramento	7,488	0	0	0	6,780	14	352	0	0	0	342	0
Calif St Univ Stanislaus	2,145	0	0	0	2,145	0	0	0	0	0	0	0
Calif State Univ Chico	8,268	0	100	0	8,160	0	0	0	0	0	8	0
Calif State Univ Fresno	7,383	0	15	0	6,985	0	0	241	0	75	67	0
California Baptist Col	549	0	0	0	549	0	0	0	0	0	0	0
California Inst of Tech	76,974	0	86	14,425	0	10,032	274	15,110	948	7,706	28,393	0
California Lutheran Col	758	0	0	0	758	0	0	0	0	0	0	0
California Maritime Acad	257	0	0	0	257	0	0	0	0	0	0	0
Canada College	459	0	0	0	459	0	0	0	0	0	0	0
Cerritos College	1,596	0	0	0	1,596	0	0	0	0	0	0	0
Cerro Coso Comm College	325	0	0	0	325	0	0	0	0	0	0	0
Chabot College	1,095	0	0	0	1,095	0	0	0	0	0	0	0
Chaffey Cmty College	1,189	0	0	0	1,189	0	0	0	0	0	0	0
Chapman College	1,237	0	0	0	1,165	0	0	72	0	0	0	0
Charles R. Drew Med&Sci	4,966	0	0	0	0	0	0	4,966	0	0	0	0
Christ College Irvine	303	0	0	0	303	0	0	0	0	0	0	0
Christian Heritage Coll	339	0	0	0	339	0	0	0	0	0	0	0
Church Div School Pacific	14	0	0	0	14	0	0	0	0	0	0	0
Citrus College	703	0	0	0	703	0	0	0	0	0	0	0
Claremont Mckenna College	525	0	0	0	525	0	0	0	0	0	0	0
Claremont U Ctr Sys Off	136	0	0	0	136	0	0	0	0	0	0	0
Claremont U Ctr& Grad Sch	236	1	0	0	125	0	0	0	0	0	110	0
Cleveland Chiropractic C	119	0	0	0	119	0	0	0	0	0	0	0
Coastline Cmty College	109	0	0	0	109	0	0	0	0	0	0	0
Cogswell College	77	0	0	0	77	0	0	0	0	0	0	0
Col Osteo Med of Pacific	959	0	0	0	324	0	0	635	0	0	0	0
Coleman College	420	0	0	0	420	0	0	0	0	0	0	0
College of the Canyons	201	0	0	0	201	0	0	0	0	0	0	0
College of the Redwoods	1,700	0	0	0	1,700	0	0	0	0	0	0	0
College of the Sequoias	1,628	0	0	0	1,628	0	0	0	0	0	0	0
College of the Siskiyous	463	0	0	0	463	0	0	0	0	0	0	0
College of Alameda	760	0	0	0	760	0	0	0	0	0	0	0
College of Notre Dame	244	0	0	0	244	0	0	0	0	0	0	0
College of San Mateo .	588	0	0	0	588	0	0	0	0	0	0	0
College of The Desert	723	0	0	0	723	0	0	0	0	0	0	0
Columbia College-Columbia	311	0	0	0	311	0	0	0	0	0	0	0
Columbia College-Hollywood	84	0	0	0	84	0	0	0	0	0	0	0
Compton Community College	2,029	0	0	0	2,029	0	0	0	0	0	0	0
Consortium of CA State U	63	0	0	0	63	0	0	0	0	0	0	0
Contra Costa College	1,090	0	0	0	1,090	0	0	0	0	0	0	0
Cosumnes River College	539	0	0	0	539	0	0	0	0	0	0	0
Crafton Hills College	432	0	0	0	432	0	0	0	0	0	0	0
Ctr for Early Education	25	0	0	0	25	0	0	0	0	0	0	0
Cuesta College	785	0	0	0	785	0	0	0	0	0	0	0
Cuyamaca College	227	0	0	0	227	0	0	0	0	0	0	0
Cypress College	1,003	0	0	0	1,003	0	0	0	0	0	0	0
D-Q University	784	0	0	0	550	0	0	0	234	0	0	0
De Anza College	1,469	0	0	0	1,469	0	0	0	0	0	0	0
Deep Springs College	19	0	0	0	11	0	0	0	0	0	8	0
Diablo Valley College	570	0	0	0	570	0	0	0	0	0	0	0
Dominican Col San Rafael	272	0	0	0	272	0	0	0	0	0	0	0
Don Bosco Technical Inst	70	0	0	0	70	0	0	0	0	0	0	0
East Los Angeles College	2,607	0	0	0	2,411	0	0	196	0	0	0	0
El Camino College	2,036	0	0	0	2,036	0	0	0	0	0	0	0
Evergreen Valley College	2	0	0	0	2	0	0	0	0	0	0	0
Fashion Inst-Dsign & Mer	2,881	0	0	0	2,881	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 4 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Feather River College	329	0	0	0	329	0	0	0	0	0	0	0
Foothill College	542	0	0	0	542	0	0	0	0	0	0	0
Foothill-Deanza CCSys Off	66	0	0	0	0	0	0	0	0	66	0	0
Fresno City College	3,553	0	0	0	3,515	0	0	0	0	0	38	0
Fresno Pacific College	517	0	0	0	517	0	0	0	0	0	0	0
Fuller Theological Sem	69	0	0	0	69	0	0	0	0	0	0	0
Fullerton College	900	0	0	0	900	0	0	0	0	0	0	0
Gavilan College	479	0	0	0	479	0	0	0	0	0	0	0
Glendale Community Col	72	0	0	0	0	0	0	0	0	0	72	0
Golden Gate University	462	0	0	0	462	0	0	0	0	0	0	0
Golden West College	681	0	0	0	681	0	0	0	0	0	0	0
Graduate Theol Union	58	0	0	0	58	0	0	0	0	0	0	0
Grossmont College	1,179	0	0	0	1,179	0	0	0	0	0	0	0
Hartnell College	1,294	0	0	0	1,294	0	0	0	0	0	0	0
Harvey Mudd College	1,259	0	0	0	655	0	0	0	0	28	576	0
Heald Business College	730	0	0	0	730	0	0	0	0	0	0	0
Heald C-Walnut Creek	336	0	0	0	336	0	0	0	0	0	0	0
Heald College-Fresno	382	0	0	0	382	0	0	0	0	0	0	0
Heald College-San Jose	874	0	0	0	874	0	0	0	0	0	0	0
Heald Inst Tech	281	0	0	0	281	0	0	0	0	0	0	0
Holy Names College	299	0	0	0	299	0	0	0	0	0	0	0
Humboldt State University	1,625	180	0	0	0	0	0	0	1,218	113	134	0
Humphreys College	322	0	0	0	322	0	0	0	0	0	0	0
Imperial Valley College	2,301	0	0	0	2,301	0	0	0	0	0	0	0
ITT Tech Inst-La Mesa	127	0	0	0	127	0	0	0	0	0	0	0
ITT Tech Inst-West Cva	258	0	0	0	258	0	0	0	0	0	0	0
John F Kennedy University	262	0	0	0	262	0	0	0	0	0	0	0
L A City Jr Col Dst S O	455	0	0	0	0	0	0	0	0	0	455	0
L.I.F.E. Bible College	191	0	0	0	191	0	0	0	0	0	0	0
Lake Tahoe Cmty College	84	0	0	0	84	0	0	0	0	0	0	0
Laney College	1,922	0	0	0	1,922	0	0	0	0	0	0	0
Loma Linda University	16,223	0	0	0	2,268	11,100	0	2,832	0	0	23	0
Long Beach City College	3,622	0	0	0	3,622	0	0	0	0	0	0	0
Los Angeles Bapt Col&Sem	445	0	0	0	445	0	0	0	0	0	0	0
Los Angeles City College	2,656	0	0	0	2,656	0	0	0	0	0	0	0
Los Angeles Harbor Col	678	0	0	0	678	0	0	0	0	0	0	0
Los Angeles Mission Coll	303	0	0	0	303	0	0	0	0	0	0	0
Los Angeles Pierce Col	998	0	0	0	998	0	0	0	0	0	0	0
Los Angeles Southwest Col	2,076	0	0	0	2,076	0	0	0	0	0	0	0
Los Angeles Tr Tech Col	2,298	0	0	0	2,298	0	0	0	0	0	0	0
Los Angeles Valley Col	708	0	0	0	708	0	0	0	0	0	0	0
Los Medanos College	540	0	0	0	540	0	0	0	0	0	0	0
Loyola Marymount Univ	3,436	0	0	0	3,436	0	0	0	0	0	0	0
Marin Community College	1,068	0	0	0	1,068	0	0	0	0	0	0	0
Mendocino College	744	0	0	0	744	0	0	0	0	0	0	0
Menlo College	139	0	0	0	139	0	0	0	0	0	0	0
Merced College	2,228	0	0	0	2,228	0	0	0	0	0	0	0
Merritt College	1,284	0	0	0	1,126	0	0	158	0	0	0	0
Mills College	1,200	0	0	0	1,039	0	0	0	0	0	161	0
Mira Costa College	607	0	0	0	607	0	0	0	0	0	0	0
Mission College	412	0	0	0	412	0	0	0	0	0	0	0
Modesto Junior College	1,599	0	0	0	1,599	0	0	0	0	0	0	0
Monterey Inst Intl Study	8	0	0	0	0	0	0	0	0	0	8	0
Monterey Peninsula Col	1,036	0	0	0	1,036	0	0	0	0	0	0	0
Moorpark College	329	0	0	0	300	0	0	0	0	0	29	0
Mount San Antonio College	1,406	0	0	0	1,406	0	0	0	0	0	0	0
Mount St Mary's College	1,205	0	0	0	948	0	0	257	0	0	0	0
Napa Valley College	830	0	0	0	830	0	0	0	0	0	0	0
National University	1,419	0	0	0	1,419	0	0	0	0	0	0	0
New College of California	687	0	0	0	687	0	0	0	0	0	0	0
Northrop University	184	0	0	0	184	0	0	0	0	0	0	0
Occidental College	1,415	0	0	50	1,218	0	0	0	0	0	147	0
Ohlone College	455	0	0	0	455	0	0	0	0	0	0	0
Orange Coast College	1,146	0	0	0	1,146	0	0	0	0	0	0	0
Pac Coast Bptst Bible C	194	0	0	0	194	0	0	0	0	0	0	0
Pacific Christian College	275	0	0	0	275	0	0	0	0	0	0	0
Pacific Grad Sch of Psych	28	0	0	0	28	0	0	0	0	0	0	0
Pacific Lutheran Theo Sem	15	0	0	0	15	0	0	0	0	0	0	0
Pacific Oaks College	427	0	0	0	427	0	0	0	0	0	0	0
Pacific Sch of Religion	92	0	0	0	92	0	0	0	0	0	0	0
Pacific Union College	1,606	0	0	0	1,606	0	0	0	0	0	0	0
Palo Verde College	190	0	0	0	190	0	0	0	0	0	0	0
Palomar College	1,572	0	0	0	1,572	0	0	0	0	0	0	0
Pasadena City College	2,854	0	0	0	2,854	0	0	0	0	0	0	0
Patten College	165	0	0	0	165	0	0	0	0	0	0	0
Pepperdine University	984	0	0	0	884	0	0	0	0	0	100	0
Pitzer College	819	0	0	0	640	0	0	121	0	30	28	0
Point Loma College	971	0	0	0	926	0	0	0	0	0	45	0
Pomona College	1,242	0	0	0	1,094	0	0	0	0	0	148	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
California, cont'd												
Porterville College	582	0	0	0	582	0	0	0	0	0	0	0
Reedley College	1,417	0	0	0	1,417	0	0	0	0	0	0	0
Rio Hondo College	2,156	0	0	0	2,156	0	0	0	0	0	0	0
Riverside City College	918	0	0	0	918	0	0	0	0	0	0	0
Sacramento City College	1,220	0	0	0	1,220	0	0	0	0	0	0	0
Saddleback College	468	0	0	0	468	0	0	0	0	0	0	0
San Bernardino Valley Col	1,752	0	0	0	1,752	0	0	0	0	0	0	0
San Diego Mesa College	1,977	0	0	0	1,977	0	0	0	0	0	0	0
San Diego Miramar College	238	0	0	0	238	0	0	0	0	0	0	0
San Diego State Univ	22,530	0	47	2,771	9,256	1,510	0	5,810	100	249	2,787	0
San Francisco CC District	381	0	0	0	381	0	0	0	0	0	0	0
San Francisco State Univ	12,654	0	0	328	10,018	120	0	868	35	550	735	0
San Joaquin Delta College	3,913	0	0	0	3,913	0	0	0	0	0	0	0
San Jose Bible College	121	0	0	0	121	0	0	0	0	0	0	0
San Jose City College	1,697	0	0	0	1,697	0	0	0	0	0	0	0
San Jose CC Dist Sys Off	1,144	0	0	0	1,144	0	0	0	0	0	0	0
San Jose State University	16,128	0	52	799	8,786	0	0	1,068	0	3,865	1,558	0
San Mateo CC Dis Sys Off	410	0	0	0	410	0	0	0	0	0	0	0
Santa Ana College	1,959	0	0	0	1,959	0	0	0	0	0	0	0
Santa Barbara City Col	1,778	0	0	0	1,778	0	0	0	0	0	0	0
Santa Clara University	2,141	0	0	0	1,582	0	0	0	0	163	396	0
Santa Monica College	1,088	0	0	0	1,088	0	0	0	0	0	0	0
Santa Rosa Junior College	1,729	0	0	0	1,729	0	0	0	0	0	0	0
Saybrook Institute	5	0	0	0	5	0	0	0	0	0	0	0
Sch of Theology Claremont	65	0	0	0	65	0	0	0	0	0	0	0
Scripps College	429	0	0	0	429	0	0	0	0	0	0	0
Shasta College	1,624	0	0	0	1,624	0	0	0	0	0	0	0
Sierra College	794	0	0	0	794	0	0	0	0	0	0	0
Simpson College (Cal)	218	0	0	0	218	0	0	0	0	0	0	0
Skyline College	922	0	0	0	922	0	0	0	0	0	0	0
Solano Co Cmty College	744	0	0	0	744	0	0	0	0	0	0	0
Sonoma State University	3,239	0	0	0	2,628	0	0	275	0	12	324	0
Southern Cal Col Optmtry	170	0	0	0	0	0	0	170	0	0	0	0
Southern California Col	625	0	0	0	625	0	0	0	0	0	0	0
Southwestern College	1,841	0	0	0	1,841	0	0	0	0	0	0	0
Southwestern U Sch of Law	466	0	0	0	466	0	0	0	0	0	0	0
St Ctr CC Dist System Off	182	0	100	0	82	0	0	0	0	0	0	0
St Mary's Col California	574	0	0	0	574	0	0	0	0	0	0	0
Stanford University	275,781	854	48	39,635	8,432	27,017	3,368	122,797	119	41,807	31,704	0
Sthrn Cal Inst of Arch	13	0	0	0	0	0	0	0	0	13	0	0
Taft College	353	0	0	0	353	0	0	0	0	0	0	0
U of Cal Sys Wide Prgms	11,973	9,906	5	0	546	1,344	0	0	172	0	0	0
Univ of Cal Berkeley	164,358	8,872	749	12,701	25,210	4,270	412	45,346	446	24,578	39,988	1,786
Univ of Cal Davis	76,787	3,502	111	1,803	10,552	5,587	304	44,579	362	1,466	6,561	1,960
Univ of Cal Irvine	57,791	296	57	4,386	7,159	3,834	320	32,749	0	1,249	7,741	0
Univ of Cal Los Angeles	200,090	160	53	11,495	16,385	17,899	540	127,475	75	6,156	19,764	88
Univ of Cal Riverside	15,507	1,166	0	526	3,343	1,505	364	5,131	0	302	3,162	8
Univ of Cal San Diego	184,633	470	2,897	29,104	6,484	3,399	0	98,038	291	12,067	31,883	0
Univ of Cal San Francisco	177,273	0	0	2,706	8	3,456	175	167,047	0	1,283	2,537	61
Univ of Cal Santa Barbara	49,645	180	122	13,247	8,452	3,413	406	4,223	1,397	1,162	15,989	1,054
Univ of Cal Santa Cruz	16,392	0	0	1,241	4,790	2,018	0	3,383	0	542	4,418	0
Univ of San Francisco	2,989	1	0	118	2,477	0	6	36	0	351	0	0
Univ of Southern Cal	134,061	0	0	33,945	13,044	1,532	72	67,835	175	5,290	11,618	550
Univ of West Los Angeles	24	0	0	0	24	0	0	0	0	0	0	0
University of the Pacific	4,950	0	0	40	3,921	0	0	784	0	11	194	0
University of La Verne	1,379	0	0	0	1,358	0	0	0	0	0	21	0
University of Redlands	1,116	0	0	0	1,116	0	0	0	0	0	0	0
University of San Diego	2,929	0	0	0	2,209	0	0	506	0	0	214	0
US International Univ	1,147	0	0	0	1,059	0	0	88	0	0	0	0
Ventura Cnty CC Sys Off	36	0	0	0	0	0	0	0	0	0	36	0
Ventura College	2	0	0	0	2	0	0	0	0	0	0	0
Victor Valley College	745	0	0	0	745	0	0	0	0	0	0	0
Vista College	34	0	0	0	34	0	0	0	0	0	0	0
West Coast Bible College	189	0	0	0	189	0	0	0	0	0	0	0
West Coast University	166	0	0	0	166	0	0	0	0	0	0	0
West Hills College	1,390	0	0	0	1,390	0	0	0	0	0	0	0
Westmont College	524	0	0	0	478	0	0	0	0	0	46	0
Westrn St U C Law Sys Off	513	0	0	0	513	0	0	0	0	0	0	0
Whittier College	863	0	0	0	863	0	0	0	0	0	0	0
Woodbury University	453	0	0	0	453	0	0	0	0	0	0	0
World College West	147	0	0	0	147	0	0	0	0	0	0	0
Wstrn St U Col Law S Dieg	39	0	0	0	39	0	0	0	0	0	0	0
Yuba College	2,074	7	0	0	2,059	0	0	0	0	0	8	0
Colorado, total	248,105	10,087	2,437	13,061	80,153	6,818	1,895	83,372	1,816	16,000	31,689	777
Adams State College	2,484	0	0	0	2,484	0	0	0	0	0	0	0
Alms Community College	1,296	0	0	0	1,255	0	0	0	0	0	41	0
Arapahoe Community Col	1,133	0	0	0	1,133	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

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Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 6 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Colorado, cont'd												
Bel-Rea Inst Anml Tec	163	0	0	0	163	0	0	0	0	0	0	0
Blair Junior College	1,198	0	0	0	1,198	0	0	0	0	0	0	0
Cmty Col Denver Auraria	2,368	0	0	0	2,368	0	0	0	0	0	0	0
Cmty Col Denver Red Rocks	674	0	0	0	594	0	80	0	0	0	0	0
Colo Northwstrn Cmty Col	315	0	0	0	315	0	0	0	0	0	0	0
Colorado Christian Univ	421	0	0	0	421	0	0	0	0	0	0	0
Colorado College	1,054	0	0	0	926	0	0	0	0	0	128	0
Colorado Mountain College	648	0	0	0	648	0	0	0	0	0	0	0
Colorado School of Mines	3,729	71	0	730	0	1,218	352	0	541	0	817	0
Colorado State University	51,652	10,016	0	4,684	8,591	1,149	905	15,217	608	1,430	8,328	724
Colorado Technical Col	623	0	0	0	623	0	0	0	0	0	0	0
Community Col Aurora	642	0	0	41	601	0	0	0	0	0	0	0
Denver Technical College	1,015	0	0	0	1,015	0	0	0	0	0	0	0
Electronic Tech Institute	440	0	0	0	440	0	0	0	0	0	0	0
Fort Lewis College	2,207	0	0	0	2,025	0	0	98	0	0	84	0
Front Range Comm College	1,907	0	0	0	1,907	0	0	0	0	0	0	0
Iliff School of Theology	67	0	0	0	67	0	0	0	0	0	0	0
Lamar Community College	585	0	0	0	585	0	0	0	0	0	0	0
Mesa State College	2,850	0	0	0	2,833	0	0	17	0	0	0	0
Metropolitan State Col	6,911	0	0	0	6,740	0	0	0	0	0	171	0
Morgan County CC	219	0	0	0	219	0	0	0	0	0	0	0
Naropa Institute	85	0	0	0	85	0	0	0	0	0	0	0
National Tech University	200	0	100	100	0	0	0	0	0	0	0	0
Nazarene Bible College	479	0	0	0	479	0	0	0	0	0	0	0
Northeastern Junior Col	805	0	0	0	805	0	0	0	0	0	0	0
Otero Junior College	600	0	0	0	600	0	0	0	0	0	0	0
Pikes Peak Community Col	2,804	0	0	0	2,804	0	0	0	0	0	0	0
Pueblo Community College	2,874	0	0	0	2,874	0	0	0	0	0	0	0
Regis College	1,762	0	0	0	1,673	0	0	0	0	0	89	0
St Thomas Seminary	19	0	0	0	19	0	0	0	0	0	0	0
Technical Trades Institut	1,115	0	0	0	1,115	0	0	0	0	0	0	0
Trinidad State Junior Col	1,886	0	0	0	1,886	0	0	0	0	0	0	0
Univ of Northern Colorado	5,721	0	0	0	4,860	0	0	263	0	0	598	0
Univ of Southern Colorado	4,892	0	0	0	4,318	0	0	388	0	186	0	0
University of Colorado	130,430	0	2,337	6,438	16,923	4,188	508	65,791	667	13,431	20,114	53
University of Denver	8,158	0	0	1,068	2,887	283	50	1,598	0	953	1,319	0
Western St Col Colorado	1,653	0	0	0	1,653	0	0	0	0	0	0	0
Yeshiva T Chaim Tal Sem	21	0	0	0	21	0	0	0	0	0	0	0
Connecticut, total	248,533	3,959	3,376	11,243	37,796	10,584	958	162,246	150	1,192	16,978	51
Albertus Magnus College	238	0	0	0	238	0	0	0	0	0	0	0
Asnuntuck CC	168	0	0	0	168	0	0	0	0	0	0	0
Bais Binyomin Academy	67	0	0	0	67	0	0	0	0	0	0	0
Briarwood College	75	0	0	0	75	0	0	0	0	0	0	0
Central Conn State Univ	2,367	0	0	0	2,343	0	0	24	0	0	0	0
Conn State Tech College	90	0	0	0	78	0	0	0	0	0	12	0
Connecticut College	1,011	0	0	0	898	0	0	0	0	0	113	0
Eastern Conn State Univ	1,192	0	0	0	1,192	0	0	0	0	0	0	0
Fairfield University	1,085	0	0	0	935	60	0	0	0	0	90	0
Greater Hartford Cmty Col	767	0	0	0	767	0	0	0	0	0	0	0
Greater New Haven St Tech	91	0	0	0	91	0	0	0	0	0	0	0
Hartford Col for Women	105	0	0	0	105	0	0	0	0	0	0	0
Holy Apostles College	59	0	0	0	59	0	0	0	0	0	0	0
Housatonic Cmty Col	531	0	0	0	531	0	0	0	0	0	0	0
Manchester Community Col	409	0	0	0	409	0	0	0	0	0	0	0
Mattatuck Community Col	756	0	0	0	756	0	0	0	0	0	0	0
Middlesex Cmty Col (Conn)	391	0	0	0	391	0	0	0	0	0	0	0
Mitchell College	326	0	0	0	326	0	0	0	0	0	0	0
Mohegan Community College	454	0	0	0	454	0	0	0	0	0	0	0
Northwstrn Conn Cmty Col	152	0	0	0	152	0	0	0	0	0	0	0
Norwalk Community College	245	0	0	0	245	0	0	0	0	0	0	0
Norwalk State Tech Col	122	0	0	0	122	0	0	0	0	0	0	0
Post College	466	0	0	0	466	0	0	0	0	0	0	0
Quinebaug Valley CC	285	0	0	0	285	0	0	0	0	0	0	0
Quinnipiac College	954	0	0	0	743	0	0	211	0	0	0	0
Sacred Heart University	888	0	0	0	873	0	0	15	0	0	0	0
South Central Cmty Col	442	0	0	0	442	0	0	0	0	0	0	0
Southern Conn State Univ	1,782	0	0	0	1,717	0	0	51	0	0	14	0
St Alphonsus College	17	0	0	0	17	0	0	0	0	0	0	0
St Joseph College	313	0	0	0	289	0	0	24	0	0	0	0
Thames Valley St Tech Col	64	0	0	0	64	0	0	0	0	0	0	0
Trinity College	1,192	0	0	0	1,129	13	0	0	0	0	50	0
Tunxis Community College	230	0	0	0	230	0	0	0	0	0	0	0
University of Bridgeport	2,146	0	0	0	1,932	0	0	84	0	80	50	0
University of Connecticut	52,304	3,912	3,346	3,079	7,525	477	586	28,873	150	172	4,133	51
University of Hartford	1,524	0	0	0	1,387	0	0	0	0	0	137	0
University of New Haven	1,210	0	0	0	1,138	14	0	0	0	0	58	0
Waterbury State Tech Col	139	0	0	0	95	0	0	0	0	0	44	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & Institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Connecticut, cont'd												
Wesleyan University	4,612	0	0	0	2,656	0	45	816	0	0	1,095	0
Western Conn State Univ	926	0	0	0	889	0	0	0	0	0	37	0
Yale University	168,338	47	30	8,164	5,517	10,020	327	132,148	0	940	11,145	0
Delaware, total	30,081	3,918	1,291	2,836	11,809	585	273	3,625	150	619	4,975	0
Brandywine College	377	0	0	0	377	0	0	0	0	0	0	0
Delaware State University	3,526	1,105	0	0	2,002	0	8	411	0	0	0	0
Delaware Tech & Cmty Col	3,821	0	0	0	3,821	0	0	0	0	0	0	0
Goldey Beacom College	428	0	0	0	428	0	0	0	0	0	0	0
University of Delaware	21,093	2,813	1,291	2,836	4,345	585	265	3,214	150	619	4,975	0
Wesley College	519	0	0	0	519	0	0	0	0	0	0	0
Wilmington College	317	0	0	0	317	0	0	0	0	0	0	0
District of Columbia, total	309,452	2,071	355	6,577	231,290	1,695	983	52,462	150	4,715	6,426	2,728
American University	5,884	0	0	804	2,783	0	14	409	0	45	770	1,059
Catholic Univ of America	6,700	0	233	1,889	1,418	282	100	1,416	0	688	663	11
Corcoran School of Art	159	0	0	0	159	0	0	0	0	0	0	0
Gallaudet University	49,667	0	0	0	48,464	0	0	817	0	44	342	0
George Washington Univ	29,073	6	84	1,961	4,358	718	0	17,378	0	2,930	1,530	108
Georgetown University	35,487	367	38	891	5,658	300	442	24,916	0	0	1,325	1,550
Howard University	175,594	201	0	707	164,496	395	427	6,830	0	834	1,704	0
Mount Vernon College	123	0	0	0	123	0	0	0	0	0	0	0
Southeastern University	204	0	0	0	204	0	0	0	0	0	0	0
Strayer College	583	0	0	0	583	0	0	0	0	0	0	0
Trinity College	437	0	0	0	437	0	0	0	0	0	0	0
University of D C	5,518	1,497	0	325	2,584	0	0	596	150	174	92	0
Wesley Theol Sem	23	0	0	0	23	0	0	0	0	0	0	0
Florida, total	396,804	17,833	2,616	43,960	172,294	17,560	1,637	103,747	789	6,236	28,373	1,759
Art Inst of Ft Lauderdale	2,038	0	0	0	2,038	0	0	0	0	0	0	0
Barry University	1,495	0	0	0	1,022	0	0	473	0	0	0	0
Bethune Cookman College	5,478	0	0	0	4,785	0	0	601	0	0	92	0
Brevard Community College	1,902	0	0	0	1,902	0	0	0	0	0	0	0
Broward Community College	2,207	0	0	0	2,207	0	0	0	0	0	0	0
Central Florida Bible C	68	0	0	0	68	0	0	0	0	0	0	0
Central Florida Cmty Col	1,040	0	0	0	1,040	0	0	0	0	0	0	0
Chipola Junior College	689	0	0	0	689	0	0	0	0	0	0	0
Clearwater Christian Col	242	0	0	0	242	0	0	0	0	0	0	0
College of Boca Raton	215	0	0	0	215	0	0	0	0	0	0	0
Daytona Beach Cmty Col	4,264	0	0	0	4,264	0	0	0	0	0	0	0
Eckerd College	789	0	0	0	789	0	0	0	0	0	0	0
Edison Community College	819	0	0	0	819	0	0	0	0	0	0	0
Edward Waters College	2,240	0	0	0	1,905	0	0	335	0	0	0	0
Embry-Riddle Aero Univ	3,944	0	0	0	3,896	0	0	0	0	48	0	0
Flagler College	465	0	0	0	465	0	0	0	0	0	0	0
Florida A & M University	14,640	2,448	0	723	8,095	75	0	2,413	0	467	419	0
Florida Atlantic Univ	6,636	0	20	520	4,602	70	0	437	10	299	678	0
Florida College	105	0	0	0	105	0	0	0	0	0	0	0
Florida Inst of Tech	2,993	0	0	140	1,878	0	0	573	0	103	299	0
Florida International U	4,577	0	0	0	3,713	0	0	453	0	0	411	0
Florida Keys Cmty College	140	0	0	0	140	0	0	0	0	0	0	0
Florida Memorial College	6,052	0	0	0	6,052	0	0	0	0	0	0	0
Florida Southern College	569	0	0	0	569	0	0	0	0	0	0	0
Florida State University	36,561	0	395	1,428	7,857	13,760	491	4,157	0	1,352	6,586	541
Fort Lauderdale Univ	1,621	0	0	0	1,621	0	0	0	0	0	0	0
FL Comm Col-Jacksonville	2,949	0	0	0	2,949	0	0	0	0	0	0	0
Gulf Coast Cmty College	1,176	0	0	0	1,176	0	0	0	0	0	0	0
Hillsborough Cmty College	2,661	0	0	0	2,661	0	0	0	0	0	0	0
Hobe Sound Bible College	157	0	0	0	157	0	0	0	0	0	0	0
Indian River Cmty College	927	0	0	0	927	0	0	0	0	0	0	0
International Fine Arts C	452	0	0	0	452	0	0	0	0	0	0	0
ITT Tech Institute	108	0	0	0	108	0	0	0	0	0	0	0
Jacksonville University	1,026	0	0	0	1,026	0	0	0	0	0	0	0
Jones College	3,741	0	0	0	3,741	0	0	0	0	0	0	0
Lake City Community Col	827	0	0	0	821	0	0	0	0	0	6	0
Lake-Sumter Community Col	419	0	0	0	419	0	0	0	0	0	0	0
Manatee Junior College	1,584	0	0	0	1,480	0	0	104	0	0	0	0
Miami Christian College	199	0	0	0	199	0	0	0	0	0	0	0
Miami-Dade Cmty College	19,222	0	0	0	19,210	0	0	0	0	0	0	12
New Eng Inst Tec-Palm Bch	474	0	0	0	474	0	0	0	0	0	0	0
North Florida Jr College	347	0	0	0	347	0	0	0	0	0	0	0
Nova University	2,929	0	0	172	1,495	0	0	369	10	0	883	0
Okaloosa-Walton Jr Col	1,124	0	0	0	1,124	0	0	0	0	0	0	0
Palm Beach Atlantic Coll	573	0	0	0	573	0	0	0	0	0	0	0
Palm Beach Junior College	1,125	0	0	0	1,125	0	0	0	0	0	0	0
Pasco Hernando CC	1,074	0	0	0	1,074	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Florida, cont'd												
Pensacola Junior College	3,522	0	0	0	3,522	0	0	0	0	0	0	0
Polk Community College	1,591	0	0	0	1,591	0	0	0	0	0	0	0
Rollins College	800	0	0	0	708	0	0	0	0	0	92	0
Santa Fe Community Col	2,478	0	0	163	2,315	0	0	0	0	0	0	0
Seminole Community Col	1,188	0	0	0	1,188	0	0	0	0	0	0	0
Sestrn Col-Assemb of God	1,033	0	0	0	1,033	0	0	0	0	0	0	0
South Florida Junior Col	369	0	0	0	369	0	0	0	0	0	0	0
St John Vianney Col Sem	29	0	0	0	29	0	0	0	0	0	0	0
St John's River Cmty Col	365	0	0	0	365	0	0	0	0	0	0	0
St Leo College	829	0	0	0	829	0	0	0	0	0	0	0
St Petersburg Junior Col	2,935	0	0	0	2,927	0	0	8	0	0	0	0
St. Thom of Villanova U	3,247	0	0	0	3,247	0	0	0	0	0	0	0
State Univ Sys of Fla Off	20,038	0	0	19,800	0	138	0	0	0	0	0	100
Stetson University	1,156	0	0	0	1,156	0	0	0	0	0	0	0
SE Univ Health Sciences	1,216	0	0	0	242	0	0	974	0	0	0	0
Tallahassee Community Col	1,031	0	0	0	998	0	0	0	0	0	33	0
Talmudic Col of Florida	97	0	0	0	97	0	0	0	0	0	0	0
Tampa College	1,029	0	0	0	1,029	0	0	0	0	0	0	0
Tampa Technical Institute	145	0	0	0	145	0	0	0	0	0	0	0
Univ of Central Florida	15,552	0	0	8,466	5,619	0	75	142	0	650	600	0
Univ of South Florida	21,344	980	210	764	8,853	150	185	7,908	0	591	1,703	0
Univ of West Florida	2,444	0	0	53	2,221	0	61	0	0	0	109	0
University of Florida	85,812	14,405	1,945	6,939	13,516	3,074	825	33,228	769	1,460	8,548	1,103
University of Miami	75,381	0	46	4,798	9,554	293	0	51,572	0	1,266	7,852	0
University of North Fla	1,821	0	0	0	1,774	0	0	0	0	0	44	3
University of Sarasota	20	0	0	0	20	0	0	0	0	0	0	0
University of Tampa	818	0	0	0	800	0	0	0	0	0	18	0
Valencia Community Col	5,192	0	0	0	5,192	0	0	0	0	0	0	0
Warner Southern College	316	0	0	0	316	0	0	0	0	0	0	0
Webber College	123	0	0	0	123	0	0	0	0	0	0	0
Georgia, total	316,845	20,754	1,547	64,757	92,257	19,042	2,018	88,098	872	7,233	17,968	2,299
Abraham Baldwin Agric Col	1,420	0	0	0	1,420	0	0	0	0	0	0	0
Agnes Scott College	278	0	0	0	264	0	0	0	0	0	14	0
Albany Junior College	794	0	0	0	794	0	0	0	0	0	0	0
Albany State College	4,002	0	0	0	3,667	0	0	335	0	0	0	0
Andrew College	205	0	0	0	205	0	0	0	0	0	0	0
Armstrong State College	846	0	0	0	672	0	0	140	0	0	34	0
Atlanta Christian Col	133	0	0	0	133	0	0	0	0	0	0	0
Atlanta Jr College	1,171	0	0	0	1,171	0	0	0	0	0	0	0
Atlanta University	8,827	0	80	1,762	3,044	467	0	1,745	84	109	1,536	0
Augusta College	1,553	0	0	0	1,543	0	0	0	0	0	10	0
Bainridge Jr College	387	0	0	0	387	0	0	0	0	0	0	0
Bauder Finshng & Career C	426	0	0	0	426	0	0	0	0	0	0	0
Berry College	850	0	0	0	834	0	0	0	0	0	16	0
Brenau College	366	0	0	0	366	0	0	0	0	0	0	0
Brewton-Parker College	1,914	0	0	0	1,914	0	0	0	0	0	0	0
Brunswick Junior College	732	0	0	0	732	0	0	0	0	0	0	0
Clark Atlanta University	4,554	0	0	0	3,738	306	0	510	0	0	0	0
Clayton Junior College	312	0	0	0	312	0	0	0	0	0	0	0
Columbus College	1,440	0	0	0	1,350	0	0	0	0	0	90	0
Covenant College	577	0	0	0	577	0	0	0	0	0	0	0
Crandall Junior College	1,190	0	0	0	1,190	0	0	0	0	0	0	0
Dalton Junior College	409	0	0	0	409	0	0	0	0	0	0	0
Dekalb Community College	1,181	0	0	0	1,171	0	0	0	0	0	10	0
Emanuel County Junior Col	118	0	0	0	118	0	0	0	0	0	0	0
Emmanuel College	305	0	0	0	305	0	0	0	0	0	0	0
Emory University	55,671	0	0	1,239	3,677	99	0	48,694	0	285	1,677	0
Floyd Junior College	483	0	0	0	483	0	0	0	0	0	0	0
Fort Valley State Univ	7,325	3,080	0	166	3,932	50	0	41	0	0	46	10
Gainesville Junior Col	493	0	0	0	493	0	0	0	0	0	0	0
Georgia College	1,421	0	0	0	1,420	0	0	1	0	0	0	0
Georgia Institute of Tech	76,724	15	402	54,278	3,266	1,264	448	4,030	288	5,511	6,224	998
Georgia Military College	430	0	0	0	430	0	0	0	0	0	0	0
Georgia Southern College	4,362	0	0	0	3,316	0	0	901	0	44	101	0
Georgia Southwestern Col	1,217	0	0	0	1,217	0	0	0	0	0	0	0
Georgia State University	6,394	0	0	154	2,565	48	4	2,617	4	145	857	0
Gordon Junior College	421	0	0	0	421	0	0	0	0	0	0	0
Gupton Jones C Funrl Serv	244	0	0	0	244	0	0	0	0	0	0	0
Interdenomina Theol Ctr	76	0	0	0	76	0	0	0	0	0	0	0
Kennesaw College	832	0	0	0	747	0	0	85	0	0	0	0
La Grange College	399	0	0	0	399	0	0	0	0	0	0	0
Macon Junior College	826	0	0	0	826	0	0	0	0	0	0	0
Medical Col of Georgia	9,905	0	0	407	472	0	0	9,026	0	0	0	0
Mercer University	9,682	0	0	5,825	3,299	0	0	374	0	0	184	0
Middle Georgia College	478	0	0	0	478	0	0	0	0	0	0	0
Morehouse College	3,773	0	0	204	2,904	0	105	245	0	291	18	6
Morehouse School of Med	11,942	0	0	0	5,061	0	230	6,647	0	0	4	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Georgia, cont'd												
Morris Brown College	4,061	0	0	0	4,032	0	0	0	0	0	19	10
North Georgia College	507	0	0	0	493	14	0	0	0	0	0	0
Oglethorpe University	364	0	0	0	364	0	0	0	0	0	0	0
Paine College	1,946	0	0	0	1,926	0	20	0	0	0	0	0
Phillips College-Augusta	1,210	0	0	0	1,210	0	0	0	0	0	0	0
Phillips College-Columbus	1,068	0	0	0	1,068	0	0	0	0	0	0	0
Piedmont College	258	0	0	0	258	0	0	0	0	0	0	0
Reinhardt College	185	0	0	0	185	0	0	0	0	0	0	0
Savannah State College	3,624	0	0	0	3,406	80	0	103	0	0	35	0
Shorter College	332	0	0	0	332	0	0	0	0	0	0	0
South Georgia College	1,171	0	0	0	1,171	0	0	0	0	0	0	0
Spelman College	3,067	0	0	90	2,487	0	0	215	0	225	50	0
Thomas County Cmty Coll	282	0	0	0	282	0	0	0	0	0	0	0
Toccoa Falls College	814	0	0	0	814	0	0	0	0	0	0	0
Truett Mcconnell College	222	0	0	0	222	0	0	0	0	0	0	0
Univ System of Georgia	153	0	0	0	0	100	0	0	53	0	0	0
University of Georgia	64,993	17,659	1,065	632	6,046	16,614	1,211	12,389	443	623	7,036	1,275
Valdosta State College	2,793	0	0	0	2,793	0	0	0	0	0	0	0
Waycross Junior College	215	0	0	0	215	0	0	0	0	0	0	0
Wesleyan College	366	0	0	0	366	0	0	0	0	0	0	0
West Georgia College	1,966	0	0	0	1,959	0	0	0	0	0	7	0
Young Harris College	160	0	0	0	160	0	0	0	0	0	0	0
Hawaii, total	84,753	6,572	9,221	16,666	15,341	1,737	0	13,445	676	6,095	12,426	2,574
Chaminade U of Honolulu	845	0	0	0	845	0	0	0	0	0	0	0
Hawaii Cmty Col	34	0	0	0	0	34	0	0	0	0	0	0
Hawaii Loa College	330	0	0	0	330	0	0	0	0	0	0	0
Hawaii Pacific College	2,353	0	0	0	2,353	0	0	0	0	0	0	0
Honolulu Cmty College	535	0	0	0	535	0	0	0	0	0	0	0
Kapiolani Cmty College	771	0	0	0	771	0	0	0	0	0	0	0
Kauai Cmty College	435	0	0	0	435	0	0	0	0	0	0	0
Leeward Cmty College	435	0	0	0	435	0	0	0	0	0	0	0
Maui Community College	657	0	0	0	657	0	0	0	0	0	0	0
U Hawaii W Oahu College	46	0	0	0	46	0	0	0	0	0	0	0
Univ of Hawaii Sys Off	10,709	789	9,001	0	0	14	0	130	31	0	234	510
Univ of Hawaii-Manoa	63,215	5,773	220	16,666	5,658	1,689	0	12,858	0	6,095	12,192	2,864
Univ Hawaii at Hilo	4,105	10	0	0	2,993	0	0	457	645	0	0	0
Windward Cmty College	283	0	0	0	283	0	0	0	0	0	0	0
Idaho, total	49,910	6,271	899	3,152	32,122	285	278	1,192	2,104	1,692	1,612	303
Boise Bible College	71	0	0	0	71	0	0	0	0	0	0	0
Boise State University	8,216	0	75	40	7,699	0	90	0	0	0	117	195
College of Idaho	492	0	0	0	492	0	0	0	0	0	0	0
College of Southern Idaho	2,437	0	0	0	2,437	0	0	0	0	0	0	0
Idaho State University	6,662	1	0	0	5,980	51	0	311	35	0	284	0
Lewis-Clark State College	2,279	0	0	0	2,264	0	0	0	0	0	15	0
North Idaho College	1,952	0	0	0	1,940	0	0	0	0	0	12	0
Northwest Nazarene Col	1,191	0	0	0	1,191	0	0	0	0	0	0	0
Ricks College	4,711	0	0	0	4,711	0	0	0	0	0	0	0
University of Idaho	21,899	6,270	824	3,112	5,337	234	188	881	2,069	1,692	1,184	108
Illinois, total	604,137	19,514	1,837	32,548	233,465	22,029	2,449	188,199	816	12,022	88,598	2,660
Amer Acad of Art	204	0	0	0	204	0	0	0	0	0	0	0
Amer Conserv of Music	54	0	0	0	54	0	0	0	0	0	0	0
Amer Schs Prof Psychology	26	0	0	0	26	0	0	0	0	0	0	0
Augustana College	1,556	0	0	0	1,333	0	0	0	0	0	223	0
Aurora College	867	0	0	0	792	0	0	75	0	0	0	0
Barat College	414	0	0	0	414	0	0	0	0	0	0	0
Belleville Area College	2,531	0	0	0	2,531	0	0	0	0	0	0	0
Bethany Theol Sem	30	0	0	0	30	0	0	0	0	0	0	0
Black Hawk College	2,743	0	0	43	2,684	0	0	0	0	0	16	0
Blackburn College	578	0	0	0	570	0	0	0	0	0	8	0
Bradley University	2,791	0	0	0	2,737	0	0	21	0	0	33	0
Brisk Rabbinical College	12	0	0	0	12	0	0	0	0	0	0	0
Carl Sandburg College	1,114	0	0	0	1,114	0	0	0	0	0	0	0
Chicago Col of Osteo Med	1,289	0	0	0	169	0	0	1,120	0	0	0	0
Chicago Sch of Prof Psych	11	0	0	0	11	0	0	0	0	0	0	0
Chicago State University	7,322	0	0	0	6,248	82	0	1,012	0	0	0	0
City Colleges of Chicago	17,876	0	0	0	17,695	0	0	167	0	0	14	0
College of Du Page	1,003	0	0	0	1,003	0	0	0	0	0	0	0
College of Lake County	1,287	0	0	126	1,161	0	0	0	0	0	0	0
College of St Francis	640	0	0	0	640	0	0	0	0	0	0	0
Columbia College	4,040	0	0	0	4,007	0	0	0	0	0	33	0
Concordia College	378	0	0	0	378	0	0	0	0	0	0	0
Danville Area Cmty Col	1,510	0	0	0	1,510	0	0	0	0	0	0	0
De Paul University	4,283	0	0	0	3,597	0	152	525	0	0	9	0

See explanatory material at end of table.

(Continued)

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Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Illinois, cont'd												
East-West University	643	0	0	0	643	0	0	0	0	0	0	0
Eastern Illinois Univ	4,601	0	0	0	4,346	0	0	0	0	0	255	0
Elgin Community College	685	0	0	0	685	0	0	0	0	0	0	0
Elmhurst College	832	0	0	0	832	0	0	0	0	0	0	0
Eureka College	540	0	0	0	540	0	0	0	0	0	0	0
Felician College	5	0	0	0	5	0	0	0	0	0	0	0
Forest Inst of Prof Psych	36	0	0	0	36	0	0	0	0	0	0	0
Garrett-Evangicl Theo Sem	60	0	0	0	60	0	0	0	0	0	0	0
Gem City College	101	0	0	0	101	0	0	0	0	0	0	0
Governors State Univ	1,133	0	0	0	1,079	0	0	54	0	0	0	0
Greenville College	825	0	0	0	825	0	0	0	0	0	0	0
Hebrew Theological Col	16	0	0	0	16	0	0	0	0	0	0	0
Highland Community Col	959	0	0	0	932	0	0	0	0	0	27	0
Ill E CC Lincoln Trail C	90	0	0	0	0	0	0	90	0	0	0	0
Ill E CC Olney Cntrl Col	301	0	0	0	301	0	0	0	0	0	0	0
Ill Estrn CC Sys Office	2,525	0	0	0	2,525	0	0	0	0	0	0	0
Illinois Benedictine Col	691	0	0	0	691	0	0	0	0	0	0	0
Illinois Central College	2,179	0	0	0	2,179	0	0	0	0	0	0	0
Illinois Col of Optometry	489	0	0	0	464	0	0	25	0	0	0	0
Illinois College	634	0	0	0	634	0	0	0	0	0	0	0
Illinois Inst of Tech	7,362	0	0	297	2,376	379	174	3,145	0	120	871	0
Illinois State University	8,860	60	0	0	7,641	209	0	513	0	0	437	0
Illinois Technical Col	272	0	0	0	272	0	0	0	0	0	0	0
Illinois Valley Cmty Col	723	0	0	0	723	0	0	0	0	0	0	0
Illinois Wesleyan Univ	1,212	0	0	0	1,207	0	0	5	0	0	0	0
John A Logan College	2,069	0	0	0	2,069	0	0	0	0	0	0	0
John Wood Community Coll	1,162	0	0	0	1,162	0	0	0	0	0	0	0
Joliet Jr College	1,624	0	0	0	1,624	0	0	0	0	0	0	0
Judson College	544	0	0	0	544	0	0	0	0	0	0	0
Kankakee Community Col	855	0	0	0	855	0	0	0	0	0	0	0
Kaskaskia College	1,080	0	0	0	1,080	0	0	0	0	0	0	0
Kendall College	314	0	0	0	314	0	0	0	0	0	0	0
Kishwaukee College	587	0	0	0	587	0	0	0	0	0	0	0
Knox College	1,059	0	0	0	738	0	0	171	0	0	150	0
Lake Forest College	1,117	0	0	0	1,056	0	0	0	0	0	61	0
Lake Land College	1,163	0	0	0	1,163	0	0	0	0	0	0	0
Lewis and Clark Cmty Col	1,942	0	0	0	1,942	0	0	0	0	0	0	0
Lewis University	1,903	0	0	0	1,888	0	0	15	0	0	0	0
Lincoln Christian Col	363	0	0	0	363	0	0	0	0	0	0	0
Lincoln College	2,280	0	0	0	2,280	0	0	0	0	0	0	0
Lincoln Land Cmty College	1,346	0	0	0	1,346	0	0	0	0	0	0	0
Loyola Univ - Chicago	12,281	0	0	315	5,384	0	87	5,983	0	0	552	0
MacCormac College	572	0	0	0	572	0	0	0	0	0	0	0
MacMurray College	1,038	0	0	0	1,038	0	0	0	0	0	0	0
Mallinckrodt College	30	0	0	0	30	0	0	0	0	0	0	0
McCormick Theol Sem	35	0	0	0	35	0	0	0	0	0	0	0
McHenry County College	493	0	0	0	493	0	0	0	0	0	0	0
McKendree College	744	0	0	0	744	0	0	0	0	0	0	0
Mennonite Col of Nursing	56	0	0	0	56	0	0	0	0	0	0	0
Metropolitan Bus College	1,055	0	0	0	1,055	0	0	0	0	0	0	0
Millikin University	1,085	0	0	0	1,064	0	0	0	0	0	21	0
Monmouth College	721	0	0	0	721	0	0	0	0	0	0	0
Moraine Valley Cmty Col	1,265	0	0	0	1,265	0	0	0	0	0	0	0
Morton College	209	0	0	0	209	0	0	0	0	0	0	0
Mundelein College	674	0	0	0	674	0	0	0	0	0	0	0
Naes College	152	0	0	0	152	0	0	0	0	0	0	0
National College of Educ	2,479	0	0	0	2,411	0	0	68	0	0	0	0
North Central College	655	0	0	0	655	0	0	0	0	0	0	0
North Park Col Theol Sem	1,089	0	0	0	1,089	0	0	0	0	0	0	0
Northeastern Ill Univ	4,438	0	0	0	4,342	0	12	0	0	0	84	0
Northern Illinois Univ	11,835	0	0	124	8,916	330	0	1,319	0	0	1,146	0
Northwestern University	72,694	60	91	4,308	9,463	3,900	0	39,194	47	1,434	14,107	90
Oakton Community College	402	0	0	0	402	0	0	0	0	0	0	0
Olivet Nazarene College	1,158	0	0	0	1,158	0	0	0	0	0	0	0
Parkland College	3,286	0	0	0	2,996	0	0	0	0	0	290	0
Prairie State College	1,124	0	0	0	1,124	0	0	0	0	0	0	0
Quincy College	1,016	0	0	0	1,016	0	0	0	0	0	0	0
Rend Lake College	1,198	0	0	0	1,198	0	0	0	0	0	0	0
Richland Cmty Col	889	0	0	0	889	0	0	0	0	0	0	0
Robert Morris Col (Ill)	2,733	0	0	0	2,733	0	0	0	0	0	0	0
Rock Valley College	957	0	0	0	957	0	0	0	0	0	0	0
Rockford College	723	0	0	0	723	0	0	0	0	0	0	0
Roosevelt University	2,294	0	0	0	2,294	0	0	0	0	0	0	0
Rosary College	709	0	0	0	608	0	0	67	0	0	34	0
Rush University	2,453	0	0	0	730	0	0	1,546	0	0	177	0
S Illinois U Edwardsville	5,660	0	0	25	4,803	0	0	420	0	0	412	0
Sangamon State University	780	0	0	0	780	0	0	0	0	0	0	0
Sauk Valley College	1,238	0	0	0	1,238	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Illinois, cont'd												
Shawnee College	1,046	0	0	0	1,046	0	0	0	0	0	0	0
Shimer College	185	0	0	0	185	0	0	0	0	0	0	0
Southeastern Illinois Col	1,688	0	0	0	1,688	0	0	0	0	0	0	0
Southern Ill U-Carbondale	22,186	436	0	925	15,942	69	0	3,537	338	157	782	0
Southrn Ill Univ Sys Off	1,374	67	0	0	1,307	0	0	0	0	0	0	0
Spertus Coll of Judaica	51	0	0	0	51	0	0	0	0	0	0	0
Spoon River College	735	0	0	0	735	0	0	0	0	0	0	0
Springfield Col in Ill	149	0	0	0	149	0	0	0	0	0	0	0
St Augustine Cmty Coll	2,433	0	0	0	2,433	0	0	0	0	0	0	0
St Xavier College	1,103	0	0	0	1,062	0	0	41	0	0	0	0
State CC at East St Louis	1,475	0	0	0	1,475	0	0	0	0	0	0	0
Telshe Yeshiva - Chicago	122	0	0	0	122	0	0	0	0	0	0	0
Thornton Community Col	1,411	0	0	0	1,411	0	0	0	0	0	0	0
Trinity Christian Col	389	0	0	0	389	0	0	0	0	0	0	0
Trinity College	733	0	0	0	733	0	0	0	0	0	0	0
Trinity Evangel Div Schl	27	0	0	0	27	0	0	0	0	0	0	0
Triton College	2,636	0	0	0	2,636	0	0	0	0	0	0	0
U Hlth Sci/Chcgo Med Sch	3,488	0	0	100	0	0	0	3,388	0	0	0	0
Univ of Ill Chicago	61,391	65	122	4,942	10,990	762	394	38,558	0	258	5,300	0
Univ of Ill Urbana	120,910	18,434	117	18,997	417	11,714	1,646	18,786	431	3,626	44,172	2,570
Univ of Illinois Sys Off	17,618	108	1,343	0	15,176	184	0	0	0	0	807	0
University of Chicago	105,402	284	67	2,346	5,092	4,420	24	68,196	0	6,427	18,546	0
Waubonsee Community Col	921	0	0	0	921	0	0	0	0	0	0	0
Western Illinois Univ	6,697	0	97	0	6,434	0	0	135	0	0	31	0
Wheaton College	1,128	0	0	0	1,128	0	0	0	0	0	0	0
William Rainey Harper Col	554	0	0	0	554	0	0	0	0	0	0	0
Wm M Scholl Coll Pod Med	324	0	0	0	301	0	0	23	0	0	0	0
Indiana, total	256,735	17,351	75	10,259	105,335	11,828	1,298	62,725	559	4,199	39,285	3,821
Ancilla Domini College	197	0	0	0	197	0	0	0	0	0	0	0
Anderson College	1,649	0	0	0	1,649	0	0	0	0	0	0	0
Ball State University	8,207	0	0	0	8,070	0	0	24	0	0	113	0
Bethel College	401	0	0	0	401	0	0	0	0	0	0	0
Butler University	1,732	0	0	0	1,417	0	241	25	0	0	49	0
Calumet College	858	0	0	0	858	0	0	0	0	0	0	0
Christian Theol Sem	45	0	0	0	45	0	0	0	0	0	0	0
De Pauw University	1,045	0	0	0	1,025	0	0	0	0	20	0	0
Earlham College	985	0	0	0	929	0	0	0	0	0	56	0
Franklin Col of Indiana	752	0	0	0	752	0	0	0	0	0	0	0
George Rogers Clark Col	1,307	0	0	0	1,307	0	0	0	0	0	0	0
Goshen College	699	0	0	0	699	0	0	0	0	0	0	0
Grace Schools, Inc.	886	0	0	0	886	0	0	0	0	0	0	0
Hanover College	232	0	0	0	232	0	0	0	0	0	0	0
Holy Cross Junior College	172	0	0	0	172	0	0	0	0	0	0	0
Huntington College	534	0	0	0	534	0	0	0	0	0	0	0
Ind Voc Tech C-Indnplis	61	0	0	57	0	0	0	0	0	0	0	4
Indiana Institute of Tech	830	0	0	0	830	0	0	0	0	0	0	0
Indiana State University	8,198	1	0	0	7,565	0	0	489	0	63	80	0
Indiana University	83,969	483	75	725	22,629	2,887	312	39,105	180	651	16,997	5
Indiana Wesleyan College	1,152	0	0	0	1,139	0	0	13	0	0	0	0
Interstate Tech Institute	67	0	0	0	67	0	0	0	0	0	0	0
ITT Educational Services	653	0	0	0	653	0	0	0	0	0	0	0
ITT Tech Inst Fort Wayne	222	0	0	0	222	0	0	0	0	0	0	0
ITT Tech Inst-Indianapol	15,763	0	0	0	15,763	0	0	0	0	0	0	0
Manchester College	777	0	0	0	777	0	0	0	0	0	0	0
Marian College	737	0	0	0	737	0	0	0	0	0	0	0
Martin Center College	310	0	0	0	310	0	0	0	0	0	0	0
Oakland City College	1,090	0	0	0	1,090	0	0	0	0	0	0	0
Purdue University	92,160	16,867	0	8,194	17,141	5,017	575	19,987	459	3,231	16,877	3,812
Rose-Hulman Inst of Tech	843	0	0	0	0	0	0	0	0	0	843	0
St Francis College	498	0	0	0	498	0	0	0	0	0	0	0
St Joseph's College	525	0	0	0	525	0	0	0	0	0	0	0
St Mary-of-the-Woods Col	291	0	0	0	291	0	0	0	0	0	0	0
St Mary's College	555	0	0	0	531	0	0	0	0	20	4	0
St Meinrad College	127	0	0	0	127	0	0	0	0	0	0	0
St Meinrad Sch - Theology	67	0	0	0	67	0	0	0	0	0	0	0
Summit Christian College	437	0	0	0	437	0	0	0	0	0	0	0
Taylor University	907	0	0	0	894	0	0	0	0	0	13	0
Tri-State University	589	0	0	0	558	0	0	0	0	0	31	0
University of Evansville	1,686	0	0	0	1,602	0	0	28	0	20	36	0
University of Indianapoli	1,004	0	0	0	1,004	0	0	0	0	0	0	0
University of Notre Dame	16,553	0	0	1,227	4,022	3,799	170	3,029	0	194	4,112	0
Valparaiso University	1,962	0	0	0	1,770	125	0	0	0	0	67	0
Vincennes University	4,703	0	0	56	4,640	0	0	0	0	0	7	0
Wabash College	298	0	0	0	273	0	0	25	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Iowa, total	220,887	24,932	2,810	3,834	94,772	1,278	1,137	69,251	541	13,286	8,337	709
Briar Cliff College	1,287	0	0	0	1,287	0	0	0	0	0	0	0
Buena Vista College	2,468	0	0	0	2,468	0	0	0	0	0	0	0
Central Univ of Iowa	1,961	0	0	0	1,961	0	0	0	0	0	0	0
Clarke College	699	0	0	0	699	0	0	0	0	0	0	0
Coe College	1,208	0	0	0	1,179	0	0	0	0	0	29	0
Cornell College	1,004	0	0	0	1,003	0	0	0	1	0	0	0
Des Moines Area Cmty Col	4,076	0	0	0	4,060	0	0	16	0	0	0	0
Divine Word College	197	0	0	0	163	0	0	0	0	0	34	0
Dordt College	940	0	0	0	940	0	0	0	0	0	0	0
Drake University	3,443	0	0	0	3,428	0	0	15	0	0	0	0
Eastern Iowa Cmty College	3,836	0	0	0	3,836	0	0	0	0	0	0	0
Ellsworth Community Col	890	0	0	0	890	0	0	0	0	0	0	0
Faith Baptist Bible Col	192	0	0	0	192	0	0	0	0	0	0	0
Graceland College	2,140	0	0	0	2,140	0	0	0	0	0	0	0
Grand View College	840	0	0	0	840	0	0	0	0	0	0	0
Grinnell College	716	0	0	0	581	0	0	0	0	0	135	0
Indian Hills Cmty College	2,367	0	0	0	2,367	0	0	0	0	0	0	0
Iowa Central Cmty College	1,472	0	0	0	1,472	0	0	0	0	0	0	0
Iowa Lakes Cmty College	1,780	0	0	0	1,780	0	0	0	0	0	0	0
Iowa St U of Sci & Tech	54,627	24,828	2,684	1,140	14,309	847	259	4,425	540	858	4,028	709
Iowa Valley CC Dist	1	1	0	0	0	0	0	0	0	0	0	0
Iowa Wesleyan College	518	0	0	0	518	0	0	0	0	0	0	0
Iowa Western Cmty College	1,608	1	0	0	1,607	0	0	0	0	0	0	0
Kirkwood Community Col	4,062	0	0	0	3,982	0	80	0	0	0	0	0
Loras College	1,329	0	0	0	1,329	0	0	0	0	0	0	0
Luther College	2,367	0	0	0	2,367	0	0	0	0	0	0	0
Maharishi Intl University	1,644	0	0	0	1,083	0	0	278	0	0	283	0
Marshalltown Cmty College	929	0	0	0	929	0	0	0	0	0	0	0
Marycrest College	993	0	0	0	986	0	0	0	0	0	7	0
Morningside College	1,250	0	0	0	1,250	0	0	0	0	0	0	0
Mount Mercy College	1,094	0	0	0	1,094	0	0	0	0	0	0	0
Mount St Clare College	323	0	0	0	323	0	0	0	0	0	0	0
N Iowa Area Cmty College	1,680	0	0	0	1,680	0	0	0	0	0	0	0
Northeast Iowa Tech Inst	1,034	0	0	0	1,034	0	0	0	0	0	0	0
Northwest Iowa Tech Col	370	0	0	0	370	0	0	0	0	0	0	0
Northwestern College	1,045	0	0	0	1,045	0	0	0	0	0	0	0
Palmer Col of Chiroprctc	732	0	0	0	732	0	0	0	0	0	0	0
Scott Cmty Col-E Iowa CC	200	0	0	0	0	0	200	0	0	0	0	0
Simpson College	1,007	0	0	0	1,007	0	0	0	0	0	0	0
Southeastrn Cmty Col (IA)	1,175	0	0	0	1,175	0	0	0	0	0	0	0
Southwestern Cmty College	1,034	0	0	0	1,034	0	0	0	0	0	0	0
St Ambrose College	1,091	0	0	0	1,091	0	0	0	0	0	0	0
U Osteo Med & Hlth Sci	679	0	0	0	98	0	0	581	0	0	0	0
Univ of Northern Iowa	7,222	0	0	0	6,800	0	0	0	0	0	422	0
University of Dubuque	782	0	0	0	782	0	0	0	0	0	0	0
University of Iowa	94,237	102	126	2,694	10,539	431	598	63,936	0	12,428	3,383	0
Upper Iowa University	930	0	0	0	930	0	0	0	0	0	0	0
Vennard College	169	0	0	0	169	0	0	0	0	0	0	0
Waldorf College	751	0	0	0	751	0	0	0	0	0	0	0
Wartburg College	1,137	0	0	0	1,121	0	0	0	0	0	16	0
Wartburg Theol Sem	39	0	0	0	39	0	0	0	0	0	0	0
Western Iowa Tech	1,461	0	0	0	1,461	0	0	0	0	0	0	0
Westmar College	738	0	0	0	738	0	0	0	0	0	0	0
William Penn College	1,113	0	0	0	1,113	0	0	0	0	0	0	0
Kansas, total	128,654	12,830	182	1,816	80,045	2,346	2,622	20,629	198	1,418	5,654	914
Allen Co Cmty Junior Col	841	0	0	0	841	0	0	0	0	0	0	0
Baker University	839	0	0	0	839	0	0	0	0	0	0	0
Barton County Cmty Col	1,292	0	0	0	1,292	0	0	0	0	0	0	0
Benedictine College	679	0	0	0	679	0	0	0	0	0	0	0
Bethany College	698	0	0	0	698	0	0	0	0	0	0	0
Bethel College	791	0	0	0	791	0	0	0	0	0	0	0
Butler County Cmty Jr Col	1,398	0	0	0	1,398	0	0	0	0	0	0	0
Central College	468	0	0	0	468	0	0	0	0	0	0	0
Cloud County Cmty Col	975	0	0	0	975	0	0	0	0	0	0	0
Coffeyville Cmty Col	618	0	0	0	618	0	0	0	0	0	0	0
Colby Community College	1,155	0	0	0	1,155	0	0	0	0	0	0	0
Cowley Co Cmty College	587	0	0	0	587	0	0	0	0	0	0	0
Dodge City Cmty Col	958	0	0	0	958	0	0	0	0	0	0	0
Donnelly College	1,542	0	0	0	1,542	0	0	0	0	0	0	0
Emporia State University	667	0	0	0	667	0	0	0	0	0	0	0
Fort Hays St Univ	4,934	2	0	0	4,918	0	0	0	0	0	14	0
Fort Scott Cmty Col	1,190	0	0	0	1,181	0	0	0	0	0	9	0
Friends Bible College	81	0	0	0	81	0	0	0	0	0	0	0
Friends University	806	0	0	0	806	0	0	0	0	0	0	0
Garden City Cmty Col	593	0	0	0	593	0	0	0	0	0	0	0
Haskell Indian Jr College	119	0	0	0	119	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 13 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Kansas, cont'd												
Hesston College	745	0	0	0	745	0	0	0	0	0	0	0
Highland Cmty College	672	0	0	0	672	0	0	0	0	0	0	0
Hutchinson Cmty Col	1,279	0	0	0	1,279	0	0	0	0	0	0	0
Independence Cmty College	778	0	0	0	778	0	0	0	0	0	0	0
Johnson County Cmty Col	1,780	0	0	0	1,780	0	0	0	0	0	0	0
Kans St U - Ag & App Sci	32,332	12,805	0	508	9,750	1,964	2,120	2,270	150	386	2,115	264
Kansas City Col&Bible Sch	104	0	0	0	104	0	0	0	0	0	0	0
Kansas City Kansas Cmty C	1,615	0	0	148	1,467	0	0	0	0	0	0	0
Kansas Newman College	416	0	0	0	416	0	0	0	0	0	0	0
Kansas Technical Inst	275	0	0	0	275	0	0	0	0	0	0	0
Kansas Wesleyan	689	0	0	0	689	0	0	0	0	0	0	0
Labette Community College	612	0	0	0	612	0	0	0	0	0	0	0
Manhattan Christian Col	216	0	0	0	216	0	0	0	0	0	0	0
Marymount Col of Kansas	144	0	0	0	144	0	0	0	0	0	0	0
McPherson College	501	0	0	0	501	0	0	0	0	0	0	0
Mid-America Nazarene Col	1,111	0	0	0	1,111	0	0	0	0	0	0	0
Neosho County Cmty Col	332	0	0	0	332	0	0	0	0	0	0	0
Ottawa University	1,362	0	0	0	1,362	0	0	0	0	0	0	0
Pittsburg State Univ	3,726	0	0	0	3,454	0	0	0	0	0	272	0
Pratt Community Col	745	0	0	0	745	0	0	0	0	0	0	0
Seward County Cmty Col	497	0	0	0	497	0	0	0	0	0	0	0
Southwestern College	550	0	0	0	550	0	0	0	0	0	0	0
St Mary of the Plains Col	8,504	0	0	0	8,504	0	0	0	0	0	0	0
St Mary College	857	0	0	0	841	0	0	0	0	0	16	0
Sterling College	568	0	0	0	568	0	0	0	0	0	0	0
Tabor College	585	0	0	0	585	0	0	0	0	0	0	0
University of Kansas	37,118	23	182	1,139	12,614	382	502	18,004	48	982	3,107	135
Washburn Univ of Topeka	2,348	0	0	0	2,348	0	0	0	0	0	0	0
Wichita State University	6,962	0	0	21	5,900	0	0	355	0	50	121	515
Kentucky, total	143,265	20,098	2,186	1,000	86,741	2,220	305	25,500	470	703	3,892	150
Alice Lloyd College	747	0	0	0	747	0	0	0	0	0	0	0
Asbury College	952	0	0	0	952	0	0	0	0	0	0	0
Asbury Theol Seminary	258	0	0	0	258	0	0	0	0	0	0	0
Bellarmine College	650	0	0	0	649	0	0	0	0	0	1	0
Berea College	3,204	0	0	0	3,204	0	0	0	0	0	0	0
Brescia College	734	0	0	0	734	0	0	0	0	0	0	0
Campbellsville College	943	0	0	0	943	0	0	0	0	0	0	0
Centre College	494	0	0	0	482	0	0	0	0	0	12	0
Cumberland College	2,177	0	0	0	2,177	0	0	0	0	0	0	0
Eastern Kentucky Univ	10,041	0	100	0	9,797	0	0	144	0	0	0	0
Georgetown College	808	0	0	0	808	0	0	0	0	0	0	0
Inst of Electronic Tech	169	0	0	0	169	0	0	0	0	0	0	0
Kentucky Christian Col	1,025	0	0	0	747	0	0	278	0	0	0	0
Kentucky Col of Business	1,278	0	0	0	1,278	0	0	0	0	0	0	0
Kentucky College of Tech	135	0	0	0	135	0	0	0	0	0	0	0
Kentucky State University	10,504	3,965	0	0	6,391	0	8	140	0	0	0	0
Kentucky Wesleyan College	617	0	0	0	617	0	0	0	0	0	0	0
Lees Junior College	744	0	0	0	650	0	0	94	0	0	0	0
Lindsey Wilson College	1,387	0	0	0	1,387	0	0	0	0	0	0	0
Louisville Pres Theol Sem	37	0	0	0	37	0	0	0	0	0	0	0
Louisville Technical Inst	485	0	0	0	485	0	0	0	0	0	0	0
Mid-Cont Baptist Bible C	39	0	0	0	39	0	0	0	0	0	0	0
Midway College	490	0	0	0	490	0	0	0	0	0	0	0
Morehead State University	6,656	0	0	0	6,656	0	0	0	0	0	0	0
Murray State University	4,709	0	0	0	4,608	0	0	0	0	0	101	0
Northern Kentucky Univ	2,974	0	0	0	2,784	0	0	0	0	0	190	0
Pikeville College	1,648	0	0	0	1,648	0	0	0	0	0	0	0
Spalding University	645	0	0	0	628	0	0	17	0	0	0	0
St Catharine College	273	0	0	0	273	0	0	0	0	0	0	0
Sue Bennett College	427	0	0	0	427	0	0	0	0	0	0	0
Thomas More College	652	0	0	0	652	0	0	0	0	0	0	0
Transylvania University	425	0	0	0	425	0	0	0	0	0	0	0
Union College	1,271	0	0	0	1,271	0	0	0	0	0	0	0
University of Kentucky	62,486	16,133	2,086	900	20,503	1,935	210	16,803	470	437	2,859	150
University of Louisville	15,250	0	0	100	6,168	285	87	7,784	0	266	560	0
Western Kentucky Univ	7,931	0	0	0	7,522	0	0	240	0	0	169	0
Louisiana, total	254,787	14,642	1,773	36,534	118,199	16,150	1,309	53,276	1,744	2,189	7,416	1,555
Bossier Parish Cmty Coll	434	0	0	0	434	0	0	0	0	0	0	0
Centenary College of L A	463	0	0	0	463	0	0	0	0	0	0	0
Delgado Community College	3,102	0	0	0	3,102	0	0	0	0	0	0	0
Dillard University	3,720	0	0	0	3,595	0	34	91	0	0	0	0
Grambling State Univ	12,702	0	0	191	11,555	115	0	703	0	0	138	0
Louisiana College	805	0	0	0	805	0	0	0	0	0	0	0
Louisiana State Univ	85,408	11,335	432	2,385	21,865	15,837	948	26,111	484	685	5,326	0
Louisiana Tech University	5,677	151	0	25	5,115	170	0	0	0	24	192	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Louisiana, cont'd												
Loyola Univ - New Orleans	2,168	0	0	0	2,143	0	0	0	0	0	25	0
LA St Univ System Office	2,754	49	1,241	0	0	0	0	109	1,260	0	95	0
McNeese State University	4,673	0	0	0	4,520	14	0	0	0	0	139	0
Nicholls State University	3,124	0	0	0	3,124	0	0	0	0	0	0	0
Northeast Louisiana Univ	7,478	0	0	52	7,200	0	80	8	0	72	66	0
Northwest State Univ	5,842	0	0	0	5,601	0	0	241	0	0	0	0
Notre Dame Sem Sch Theol	21	0	0	0	21	0	0	0	0	0	0	0
Our Lady Holy Cross Col	879	0	0	0	879	0	0	0	0	0	0	0
Phillips Col New Orleans	3,225	0	0	0	3,225	0	0	0	0	0	0	0
Saint Bernard Parish CC	33	0	0	0	33	0	0	0	0	0	0	0
Southeastern LA Univ	5,194	0	0	0	4,852	0	0	342	0	0	0	0
Southern U & A&M College	26,311	3,107	0	210	21,004	14	0	794	0	827	355	0
St Joseph Seminary	82	0	0	0	82	0	0	0	0	0	0	0
Tulane University	54,516	0	0	26,344	5,084	0	90	20,656	0	102	685	1,555
Univ of Southwestern LA	8,699	0	0	0	7,768	0	0	536	0	0	395	0
Xavier University of LA	17,477	0	100	7,327	5,729	0	157	3,685	0	479	0	0
Maine, total	45,750	5,296	2,116	176	32,705	0	716	1,938	388	387	2,048	0
Andover College	309	0	0	0	309	0	0	0	0	0	0	0
Bangor Theol Seminary	136	0	0	0	136	0	0	0	0	0	0	0
Bates College	1,029	0	0	0	918	0	0	0	0	0	111	0
Bowdoin College	1,364	0	0	0	994	0	0	152	0	40	178	0
Casco Bay College	186	0	0	0	186	0	0	0	0	0	0	0
Colby College	1,116	0	0	0	1,021	0	0	0	0	50	45	0
College of the Atlantic	472	0	0	0	467	0	0	0	5	0	0	0
Eastern Maine Tech Col	920	0	0	0	920	0	0	0	0	0	0	0
Husson College	1,366	0	0	0	1,366	0	0	0	0	0	0	0
Maine Maritime Academy	617	0	19	0	556	0	0	0	0	0	42	0
Portland School of Art	293	0	0	0	293	0	0	0	0	0	0	0
St Joseph's College	430	0	0	0	430	0	0	0	0	0	0	0
Thomas College	594	0	0	0	594	0	0	0	0	0	0	0
Unity College	592	0	0	0	592	0	0	0	0	0	0	0
Univ of Maine Augusta	4,174	0	2,041	0	2,133	0	0	0	0	0	0	0
Univ of Maine Orono	16,819	4,949	0	142	8,474	0	716	604	0	297	1,637	0
Univ of Maine System Off	540	347	0	0	0	0	0	0	193	0	0	0
Univ of Maine, Farmington	2,471	0	0	0	2,471	0	0	0	0	0	0	0
Univ of Maine, Fort Kent	717	0	0	0	717	0	0	0	0	0	0	0
Univ of Maine, Machias	1,008	0	0	0	1,008	0	0	0	0	0	0	0
Univ Maine, Presque Isle	2,364	0	0	34	2,330	0	0	0	0	0	0	0
University of ME-Bangor	150	0	0	0	0	0	0	0	150	0	0	0
University of New England	1,802	0	0	0	1,197	0	0	605	0	0	0	0
University of Sthrn Maine	5,951	0	56	0	5,263	0	0	577	20	0	35	0
Westbrook College	330	0	0	0	330	0	0	0	0	0	0	0
Maryland, total	804,615	10,355	3,417	396,282	78,308	8,792	3,804	244,007	5	17,817	29,551	12,277
Allegany Community Col	1,675	0	0	0	1,675	0	0	0	0	0	0	0
Anne Arundel Cmty College	762	0	0	0	762	0	0	0	0	0	0	0
Bowie State University	2,365	0	0	0	2,301	0	0	4	0	60	0	0
Capitol Inst of Tech	286	0	0	0	249	0	0	0	0	0	37	0
Catonsville Cmty College	2,550	0	0	0	2,536	0	0	14	0	0	0	0
Cecil Community College	538	0	0	0	538	0	0	0	0	0	0	0
Charles County Cmty Col	512	0	0	0	512	0	0	0	0	0	0	0
Chesapeake College	585	0	0	0	585	0	0	0	0	0	0	0
Cmty College of Baltimore	5,059	0	0	0	5,059	0	0	0	0	0	0	0
Col of Notre Dame of MD	463	0	0	0	390	0	0	0	0	0	73	0
Columbia Union College	384	0	0	0	384	0	0	0	0	0	0	0
Coppin State College	3,708	0	0	0	3,511	0	0	196	0	0	1	0
Dundalk Community College	1,184	0	0	0	1,184	0	0	0	0	0	0	0
Essex Community College	2,001	0	0	0	1,901	0	0	100	0	0	0	0
Frederick Community Col	335	0	0	0	335	0	0	0	0	0	0	0
Frostburg State Univ	2,656	0	0	0	2,656	0	0	0	0	0	0	0
Garrett Community College	353	0	0	0	353	0	0	0	0	0	0	0
Goucher College	608	0	0	0	608	0	0	0	0	0	0	0
Hagerstown Business Coll	34	0	0	0	34	0	0	0	0	0	0	0
Hagerstown Junior College	841	0	0	0	841	0	0	0	0	0	0	0
Harford Community College	700	0	0	85	615	0	0	0	0	0	0	0
Hood College	631	0	0	0	614	0	0	0	0	0	17	0
Howard Community College	614	0	0	0	614	0	0	0	0	0	0	0
Johns Hopkins University	612,128	49	106	378,658	6,576	1,851	324	198,589	0	4,489	10,634	10,852
Loyola College	4,074	0	0	3,064	719	0	10	0	0	0	281	0
Maryland Inst Col of Art	812	0	0	0	812	0	0	0	0	0	0	0
Montgomery College	3,599	0	0	0	3,599	0	0	0	0	0	0	0
Morgan State University	6,352	0	100	0	5,317	0	10	229	0	110	568	18
Mount St Mary's Col (MD)	383	0	0	0	377	0	0	0	0	6	0	0
Ner Israel Rabbinical Col	132	0	0	0	132	0	0	0	0	0	0	0
Peabody Inst-J Hopkins U	87	0	0	0	87	0	0	0	0	0	0	0
Prince Georges Cmty Col	1,930	0	0	0	1,797	0	0	133	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Maryland, cont'd												
Salisbury State College	1,224	0	0	0	1,111	0	0	97	0	0	16	0
Sojourner-Douglas College	633	0	0	0	633	0	0	0	0	0	0	0
St John's College (MD)	922	0	0	0	922	0	0	0	0	0	0	0
St Mary's College of MD	402	0	0	0	306	0	0	79	0	0	17	0
St Mary's Sem & Univ	23	0	0	0	23	0	0	0	0	0	0	0
Towson State University	3,252	0	0	0	3,223	0	0	0	0	0	29	0
U of MD Baltimore County	6,600	0	0	82	3,023	35	0	2,271	0	148	811	230
U of MD Center for Ees	168	0	0	72	0	96	0	0	0	0	0	0
U of MD Eastern Shore	5,138	2,174	75	0	2,766	0	0	0	5	40	78	0
U of MD University Coll	3,302	0	0	0	3,277	0	0	25	0	0	0	0
Univ of Maryland Sys Off	2,333	22	2,239	0	0	0	0	0	0	0	0	72
Univ of MD Balt Prof Sch	40,554	0	0	2,520	1,227	0	10	36,140	0	0	657	0
Univ of MD College Park	78,765	8,110	897	11,801	11,174	6,810	3,442	6,130	0	12,964	16,332	1,105
University of Baltimore	986	0	0	0	986	0	0	0	0	0	0	0
Villa Julie College	443	0	0	0	435	0	8	0	0	0	0	0
Wash Bible College	139	0	0	0	139	0	0	0	0	0	0	0
Washington College	289	0	0	0	289	0	0	0	0	0	0	0
Western Maryland College	619	0	0	0	619	0	0	0	0	0	0	0
Wor-Wic Tech Cmty College	482	0	0	0	482	0	0	0	0	0	0	0
Massachusetts, total	839,682	18,804	4,095	116,288	143,877	74,213	5,366	310,728	901	27,930	127,191	10,289
American Internatl Col	889	0	0	0	889	0	0	0	0	0	0	0
Amherst College	2,009	100	0	0	835	0	0	673	0	0	401	0
Anna Maria College	248	0	0	0	248	0	0	0	0	0	0	0
Assumption College	1,237	0	0	0	1,221	0	0	0	0	0	16	0
Atlantic Union College	720	0	0	0	720	0	0	0	0	0	0	0
Babson College	514	0	0	0	514	0	0	0	0	0	0	0
Bay Path College	237	0	0	0	237	0	0	0	0	0	0	0
Bay State Jr Col Business	405	0	0	0	405	0	0	0	0	0	0	0
Bentley College	2,030	0	0	20	2,010	0	0	0	0	0	0	0
Berkshire Community Col	826	0	0	0	826	0	0	0	0	0	0	0
Boston Architectural Ctr	63	0	0	0	63	0	0	0	0	0	0	0
Boston College	9,847	0	0	1,425	4,740	197	0	1,989	0	43	1,233	220
Boston Conserv of Music	233	0	0	0	233	0	0	0	0	0	0	0
Boston University	75,686	0	39	6,079	9,997	2,232	146	49,580	13	1,555	6,045	0
Bradford College	2,865	0	0	0	2,865	0	0	0	0	0	0	0
Brandeis University	19,130	0	84	195	1,776	709	0	12,617	0	357	3,392	0
Bridgewater State College	2,598	0	0	0	2,383	0	0	0	0	0	215	0
Bristol Community College	2,082	0	0	0	2,082	0	0	0	0	0	0	0
Bunker Hill Community Col	3,233	0	0	0	3,233	0	0	0	0	0	0	0
Cambridge College	6	0	0	0	6	0	0	0	0	0	0	0
Cape Cod Community Col	973	0	0	0	835	0	0	138	0	0	0	0
Catherine College	278	0	0	0	278	0	0	0	0	0	0	0
Clark University	2,919	0	0	133	1,386	148	0	302	0	0	466	484
Cntrl New England C Tech	29	0	0	0	29	0	0	0	0	0	0	0
Col of the Holy Cross	1,466	0	0	0	1,211	0	0	110	0	0	145	0
Col of Our Lady of Elms	467	0	0	0	467	0	0	0	0	0	0	0
Curry College	388	0	0	0	384	0	4	0	0	0	0	0
Dean Junior College	451	0	0	0	451	0	0	0	0	0	0	0
Eastern Nazarene College	606	0	0	0	606	0	0	0	0	0	0	0
Emerson College	1,000	0	0	0	1,000	0	0	0	0	0	0	0
Emmanuel College	1,755	0	0	1,167	581	0	0	0	0	0	7	0
Endicott College	417	0	0	0	417	0	0	0	0	0	0	0
Fisher Junior College	1,101	0	0	0	1,101	0	0	0	0	0	0	0
Fitchburg State College	1,488	0	0	0	1,488	0	0	0	0	0	0	0
Forsyth Sch Dent Hygnsts	43	0	0	0	43	0	0	0	0	0	0	0
Framingham State College	855	0	0	0	855	0	0	0	0	0	0	0
Franklin Inst of Boston	122	0	0	0	122	0	0	0	0	0	0	0
Gordon College	424	0	0	0	424	0	0	0	0	0	0	0
Gordon-Conwell Theol Sem	136	0	0	0	136	0	0	0	0	0	0	0
Greenfield Community Col	834	0	0	0	834	0	0	0	0	0	0	0
Hampshire College	1,036	0	0	0	786	0	0	55	0	0	195	0
Harvard University	171,316	0	0	7,522	8,727	4,642	848	118,067	77	4,475	20,852	6,106
Hellenic Col Holy Cross	137	0	0	0	25	0	0	112	0	0	0	0
Holyoke Community College	1,978	0	0	0	1,978	0	0	0	0	0	0	0
Lasell Junior College	231	0	0	0	231	0	0	0	0	0	0	0
Lesley College	1,180	0	0	0	871	0	0	0	0	0	309	0
Marian Court Junior Coll	51	0	0	0	51	0	0	0	0	0	0	0
Mass Bay Community Col	681	0	0	0	681	0	0	0	0	0	0	0
Mass Col Phar/Allied Hlth	590	0	0	50	523	0	0	17	0	0	0	0
Mass College of Art	574	0	0	0	574	0	0	0	0	0	0	0
Mass Inst of Technology	236,632	0	50	42,576	6,157	62,559	381	56,893	485	19,433	45,256	2,842
Mass Maritime Academy	289	0	0	0	289	0	0	0	0	0	0	0
Mass State Col Sys Off	30	0	0	0	0	30	0	0	0	0	0	0
Massasoit Community Col	1,542	0	0	0	1,542	0	0	0	0	0	0	0
Merrimack College	680	0	0	0	680	0	0	0	0	0	0	0
Middlesex Cmty Col (Mass)	1,381	0	0	0	1,247	0	0	134	0	0	0	0
Mount Holyoke College	1,854	0	0	0	1,221	55	0	0	0	38	540	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Massachusetts, cont'd												
Mount Ida Junior College	803	0	0	0	803	0	0	0	0	0	0	0
Mount Wachusett Cmty Col	1,568	0	0	0	1,568	0	0	0	0	0	0	0
N E Col of Optometry	259	0	0	0	235	0	0	24	0	0	0	0
New England School of Law	4	0	0	0	0	0	4	0	0	0	0	0
Newbury College	1,103	0	0	0	1,103	0	0	0	0	0	0	0
Nichols College	231	0	0	0	231	0	0	0	0	0	0	0
North Adams State College	1,290	0	0	0	1,290	0	0	0	0	0	0	0
North Shore Cmty College	1,664	0	0	0	1,664	0	0	0	0	0	0	0
Northeastern University	22,130	0	0	2,639	11,504	402	8	3,985	6	54	3,532	0
Northern Essex Cmty Col	2,087	0	0	0	2,087	0	0	0	0	0	0	0
Pine Manor College	156	0	0	0	156	0	0	0	0	0	0	0
Quincy Junior College	1,014	0	0	0	1,014	0	0	0	0	0	0	0
Quinsigamond Cmty College	1,369	0	0	0	1,347	0	0	0	0	0	22	0
Radcliffe College	1,811	0	0	174	1,474	0	0	163	0	0	0	0
Regis College	897	0	0	414	483	0	0	0	0	0	0	0
Roxbury Community College	2,250	0	0	0	2,250	0	0	0	0	0	0	0
Salem State College	2,951	0	0	0	2,944	0	0	0	0	0	7	0
Simmons College	2,434	0	0	0	1,488	0	0	553	0	0	393	0
Simon's Rock	416	0	0	0	346	0	0	0	0	0	70	0
Smith College	2,280	0	0	0	2,007	0	0	80	0	0	193	0
Southeastern Mass Univ	3,907	718	0	0	2,625	0	0	114	0	0	450	0
Springfield College	1,189	0	0	0	1,189	0	0	0	0	0	0	0
Springfield Tech Cmty Col	136	0	0	0	0	0	0	136	0	0	0	0
St John's Seminary	46	0	0	0	46	0	0	0	0	0	0	0
Stonehill College	613	0	0	0	567	0	0	0	0	46	0	0
Suffolk University	1,649	0	0	0	1,649	0	0	0	0	0	0	0
Swain Sch of Design	2	0	0	0	2	0	0	0	0	0	0	0
Tufts University	42,957	11,345	0	382	2,814	1,039	3,650	21,491	0	5	1,775	456
Univ of Mass System Off	626	188	263	0	0	0	0	0	112	0	0	63
University of Lowell	2,986	0	0	1,147	315	110	2	964	0	40	388	20
University of Massachuset	92,132	6,453	118	11,894	16,822	1,530	323	40,819	208	1,303	12,662	0
Wellesley College	2,420	0	0	0	1,271	0	0	464	0	80	605	0
Wentworth Inst of Tech	3,191	0	0	1,927	1,264	0	0	0	0	0	0	0
Western New England Col	1,239	0	0	64	1,119	14	0	0	0	0	42	0
Westfield State College	1,631	0	0	0	1,631	0	0	0	0	0	0	0
Wheaton College	622	0	0	0	622	0	0	0	0	0	0	0
Wheelock College	771	0	0	0	751	0	0	20	0	0	0	0
Williams College	1,789	0	0	0	947	0	0	286	0	45	511	0
Woods Hole Ocngrphic Inst	69,486	0	3,481	38,365	0	428	0	443	0	222	26,547	0
Worcester Poly Institute	3,342	0	60	115	1,296	118	0	499	0	234	922	98
Worcester State College	1,439	0	0	0	1,439	0	0	0	0	0	0	0
Michigan, total	503,019	23,475	3,407	16,606	207,993	13,147	4,243	167,649	717	12,949	47,568	5,265
Adrian College	1,307	0	0	0	1,264	0	0	0	0	0	43	0
Albion College	782	0	0	0	782	0	0	0	0	0	0	0
Alma College	985	0	0	0	828	0	0	0	0	0	157	0
Alpena Community College	1,939	0	0	0	1,939	0	0	0	0	0	0	0
Andrews University	1,775	0	0	0	1,707	0	0	0	0	0	68	0
Aquinas College	1,436	0	0	0	1,436	0	0	0	0	0	0	0
Baker Col-Jewell Col Sys	3,762	0	0	0	3,762	0	0	0	0	0	0	0
Bay De Noc Community Col	2,026	0	0	0	2,026	0	0	0	0	0	0	0
Calvin College	2,750	0	0	0	2,440	0	0	103	0	0	207	0
Calvin Theol Seminary	2	0	0	0	2	0	0	0	0	0	0	0
Central Michigan Univ	8,525	0	0	0	8,385	0	0	0	0	0	140	0
Charles Stewart Mott C C	4,347	0	0	0	4,347	0	0	0	0	0	0	0
Cleary College	570	0	0	0	570	0	0	0	0	0	0	0
Concordia College	559	0	0	0	559	0	0	0	0	0	0	0
Cranbrook Acad of Art	229	0	0	0	229	0	0	0	0	0	0	0
Davenport College	4,834	0	0	0	4,834	0	0	0	0	0	0	0
Delta College	4,041	0	0	0	4,041	0	0	0	0	0	0	0
Detroit Col of Bus Admin	3,349	0	0	0	3,349	0	0	0	0	0	0	0
Eastern Michigan Univ	7,261	0	0	0	6,626	0	0	275	0	0	360	0
Ferris State College	6,935	0	24	0	6,783	0	0	103	0	0	25	0
Glen Oaks Cmty College	483	0	0	0	483	0	0	0	0	0	0	0
Gogebic Community College	1,425	0	0	0	1,425	0	0	0	0	0	0	0
Grace Bible College	100	0	0	0	100	0	0	0	0	0	0	0
Grand Rapids Bapt Col&Sem	719	0	0	0	719	0	0	0	0	0	0	0
Grand Rapids Junior Col	692	0	0	0	692	0	0	0	0	0	0	0
Grand Valley State Univ	6,724	0	0	0	6,199	0	0	156	0	8	361	0
Great Lakes Bible College	128	0	0	0	128	0	0	0	0	0	0	0
Great Lakes JC of Busines	2,291	0	0	0	2,291	0	0	0	0	0	0	0
GMI Engr/Management Inst	37	0	0	0	0	0	0	0	0	0	37	0
Henry Ford Community Col	2,877	0	0	0	2,877	0	0	0	0	0	0	0
Highland Park Cmty Col	2,627	0	0	0	2,627	0	0	0	0	0	0	0
Hillsdale College	1	0	0	0	1	0	0	0	0	0	0	0
Hope College	2,106	0	0	0	1,502	0	0	59	0	0	545	0
Jackson Community College	3,213	0	0	0	3,213	0	0	0	0	0	0	0
Jordan College	4,400	0	0	0	4,400	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

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Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Michigan, cont'd												
Kalamazoo College	1,123	0	0	0	1,103	0	0	0	0	0	20	0
Kalamazoo Valley Cmty Col	1,769	0	0	0	1,769	0	0	0	0	0	0	0
Kellogg Community College	1,693	0	0	0	1,693	0	0	0	0	0	0	0
Kirtland Community Col	895	0	0	0	895	0	0	0	0	0	0	0
Lake Michigan College	842	0	0	0	842	0	0	0	0	0	0	0
Lake Superior State Col	1,917	0	0	0	1,917	0	0	0	0	0	0	0
Lansing Community College	5,357	0	0	0	5,357	0	0	0	0	0	0	0
Lawrence Technical Univ	52	0	0	0	0	0	0	0	0	0	52	0
Macomb County Cmty Col	2,889	0	0	0	2,889	0	0	0	0	0	0	0
Madonna College	1,338	0	0	0	1,084	0	0	104	0	0	150	0
Marygrove College	2,249	0	0	0	2,224	0	0	25	0	0	0	0
Mercy College of Detroit	1,503	0	0	0	1,479	0	0	24	0	0	0	0
Michigan Christian Col	335	0	0	0	335	0	0	0	0	0	0	0
Michigan State University	87,914	21,639	185	1,620	18,115	3,777	461	19,543	200	535	19,452	2,387
Michigan Tech University	8,453	403	45	2,150	3,374	521	77	82	410	152	862	377
Mid Michigan Cmty College	884	0	0	0	884	0	0	0	0	0	0	0
Monroe County Cmty Col	612	0	0	0	612	0	0	0	0	0	0	0
Montcalm Community Col	1,428	0	0	0	1,428	0	0	0	0	0	0	0
Muskegon Community Col	1,466	0	0	0	1,466	0	0	0	0	0	0	0
Nazareth College	384	0	0	0	384	0	0	0	0	0	0	0
North Central Mich Col	931	0	0	0	931	0	0	0	0	0	0	0
Northern Michigan Univ	6,368	0	0	0	6,258	0	0	68	2	0	40	0
Northwestern Michigan Col	2,024	0	0	0	1,997	0	0	0	0	0	27	0
Northwood Institute	1,820	0	0	0	1,820	0	0	0	0	0	0	0
Oakland Community College	3,903	0	0	28	3,814	43	18	0	0	0	0	0
Oakland University	2,617	0	0	0	0	0	0	2,049	0	0	568	0
Olivet College	984	0	0	0	984	0	0	0	0	0	0	0
Reformed Bible College	139	0	0	0	139	0	0	0	0	0	0	0
Sacred Heart Seminary Col	13	0	0	0	13	0	0	0	0	0	0	0
Saginaw Valley State Col	3,526	0	0	0	3,362	0	0	142	0	0	22	0
Schoolcraft College	1,053	0	0	0	1,053	0	0	0	0	0	0	0
Siena Heights College	1,114	0	0	0	1,114	0	0	0	0	0	0	0
Society of Arts & Crafts	486	0	0	0	486	0	0	0	0	0	0	0
Southwestern Michigan Col	1,110	0	0	0	1,110	0	0	0	0	0	0	0
Spring Arbor College	1,284	0	0	0	1,284	0	0	0	0	0	0	0
St Clair County Cmty Col	1,274	0	0	0	1,274	0	0	0	0	0	0	0
St Mary's Col (Mich)	92	0	0	0	92	0	0	0	0	0	0	0
Suomi College	1,739	0	0	0	1,739	0	0	0	0	0	0	0
Thomas M Cooley Law Sch	339	0	0	0	339	0	0	0	0	0	0	0
University of Detroit	3,820	0	0	20	3,486	0	0	243	0	0	71	0
University of Michigan	198,199	1,433	3,153	11,378	15,731	8,445	3,687	118,120	0	12,043	21,762	2,447
Walsh Col Acctg&Bus Admin	281	0	0	0	281	0	0	0	0	0	0	0
Washtenaw Community Col	1,991	0	0	0	1,991	0	0	0	0	0	0	0
Wayne County Cmty College	10,493	0	0	0	10,493	0	0	0	0	0	0	0
Wayne State University	39,107	0	0	1,314	8,461	281	0	26,358	105	123	2,409	54
West Shore Community Col	728	0	0	0	728	0	0	0	0	0	0	0
Western Michigan Univ	9,053	0	0	96	8,406	78	0	195	0	88	190	0
William Tyndale College	191	0	0	0	191	0	0	0	0	0	0	0
Minnesota, total	290,277	15,339	30	32,451	107,251	5,202	2,148	101,681	671	2,715	21,721	68
Alexandria Technical Col	1,565	0	0	0	1,565	0	0	0	0	0	0	0
Anoka-Ramsey Cmty College	1,727	0	0	0	1,727	0	0	0	0	0	0	0
Arrowhead CC-Hibbing Cam	2,199	0	0	0	2,089	0	0	110	0	0	0	0
Augsburg College	1,993	0	0	0	1,953	0	0	0	0	40	0	0
Austin Cmty Col (Minn)	709	0	0	0	709	0	0	0	0	0	0	0
Bemidji State University	5,357	0	0	0	5,283	0	0	9	0	0	65	0
Bethany Lutheran College	293	0	0	0	293	0	0	0	0	0	0	0
Bethel College & Seminary	1,346	0	0	0	1,346	0	0	0	0	0	0	0
Brainerd Community Col	980	0	0	0	980	0	0	0	0	0	0	0
Brown Institute	249	0	0	0	249	0	0	0	0	0	0	0
Carleton College	1,268	0	0	0	1,144	0	0	0	0	0	124	0
College of St Benedict	1,808	0	0	0	1,808	0	0	0	0	0	0	0
College of St Catherine	1,960	0	0	0	1,937	0	0	0	0	0	23	0
College of St Scholastica	2,384	0	0	0	2,270	0	0	19	0	0	95	0
College of St Teresa	39	0	0	0	39	0	0	0	0	0	0	0
College of St Thomas	1,972	0	0	0	1,925	0	0	5	0	0	42	0
College Associated Arts	105	0	0	0	105	0	0	0	0	0	0	0
Concordia Col Moorhead	2,307	0	0	0	2,204	0	0	0	0	0	103	0
Concordia Col St Paul	1,025	0	0	0	1,025	0	0	0	0	0	0	0
Dakota Co Area Voc-Tech	1,066	0	0	0	1,066	0	0	0	0	0	0	0
Dr Martin Luther College	405	0	0	0	405	0	0	0	0	0	0	0
Fergus Falls Cmty College	782	0	0	0	782	0	0	0	0	0	0	0
Gustavus Adolphus College	1,527	0	0	0	1,519	0	0	0	0	0	8	0
Hamline University	2,174	0	0	0	2,100	0	0	0	0	0	74	0
Inver Hills Cmty College	1,442	0	0	0	1,173	0	0	0	0	0	269	0
Lakewood Community Col	1,669	0	0	0	1,669	0	0	0	0	0	0	0
Luther Northwest Theo Sem	140	0	0	0	140	0	0	0	0	0	0	0
Macalester College	1,831	0	0	0	1,165	0	0	0	0	0	666	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Minnesota, cont'd												
Mankato State University	8,173	0	0	0	7,913	0	0	177	0	0	83	0
Medical Institute of Minn	385	0	0	0	385	0	0	0	0	0	0	0
Metro State Univ	1,668	0	0	0	733	0	935	0	0	0	0	0
Minneapolis Community Col	2,734	0	0	0	2,734	0	0	0	0	0	0	0
Minnesota Bible College	60	0	0	0	60	0	0	0	0	0	0	0
Moorhead State University	5,981	0	0	0	5,789	0	0	192	0	0	0	0
Normandale Community Col	1,652	0	0	0	1,627	0	0	0	0	0	25	0
North Central Bible Col	1,015	0	0	0	1,015	0	0	0	0	0	0	0
North Hennepin Cmty Col	1,237	0	0	0	1,237	0	0	0	0	0	0	0
Northland Cmty College	648	0	0	0	648	0	0	0	0	0	0	0
Northwest Technical Inst	47	0	0	0	47	0	0	0	0	0	0	0
Northwestern Col (Minn)	554	0	0	0	554	0	0	0	0	0	0	0
Northwstrn Col of Chiro	362	0	0	0	362	0	0	0	0	0	0	0
Pillsbury Bptst Bible C	364	0	0	0	364	0	0	0	0	0	0	0
Rochester Community Col	522	0	0	0	522	0	0	0	0	0	0	0
Southwest State Univ	2,386	0	0	0	2,319	0	2	0	0	0	65	0
St Cloud State University	6,624	0	0	0	6,524	0	0	87	0	0	33	0
St John's University	1,340	0	0	0	1,340	0	0	0	0	0	0	0
St Mary's College	956	0	0	0	895	0	52	0	0	0	9	0
St Olaf College	2,143	0	0	0	1,916	0	0	0	0	0	227	0
St Paul Bible Col	796	0	0	0	796	0	0	0	0	0	0	0
St Paul Tech Voc Inst	2,824	0	0	0	2,824	0	0	0	0	0	0	0
St U Sys of Minn-Sys Off	1,983	0	0	0	142	0	0	1,841	0	0	0	0
University of Minnesota	203,183	16,338	30	32,451	25,743	5,202	1,159	99,035	671	2,675	19,810	68
Willmar Community College	1,136	0	0	0	1,136	0	0	0	0	0	0	0
Winona State University	226	0	0	0	0	0	0	226	0	0	0	0
Wm Mitchell Col of Law	416	0	0	0	416	0	0	0	0	0	0	0
Worthington Community Col	540	0	0	0	540	0	0	0	0	0	0	0
Mississippi, total	157,578	24,764	1,336	4,480	103,827	4,301	76	12,001	1,916	1,408	3,278	191
Alcorn State University	8,086	2,963	0	123	4,940	0	0	60	0	0	0	0
Belhaven College	471	0	0	0	471	0	0	0	0	0	0	0
Blue Mountain College	375	0	0	0	375	0	0	0	0	0	0	0
Clarke College	200	0	0	0	200	0	0	0	0	0	0	0
Coahoma Community College	3,389	0	0	0	3,353	36	0	0	0	0	0	0
Copiah-Lincoln Jr Col	1,227	0	0	0	1,227	0	0	0	0	0	0	0
Delta State University	2,629	0	0	0	2,629	0	0	0	0	0	0	0
East Central Comm Col	827	0	0	0	827	0	0	0	0	0	0	0
East Mississippi Comm Col	592	0	0	0	592	0	0	0	0	0	0	0
Hinds J Co Dist Utica Cam	101	0	0	0	101	0	0	0	0	0	0	0
Hinds Junior College	6,000	0	0	0	6,000	0	0	0	0	0	0	0
Holmes Junior College	2,401	0	0	0	2,394	0	0	0	0	0	7	0
Itawamba Junior College	1,843	0	0	0	1,843	0	0	0	0	0	0	0
Jackson State University	18,189	0	85	602	13,461	1,381	52	1,472	243	470	420	63
Jones County Junior Col	2,508	0	0	0	2,508	0	0	0	0	0	0	0
Mary Holmes College	2,611	0	0	0	2,555	0	0	0	0	0	56	0
Meridian Junior College	1,809	0	0	0	1,784	0	0	0	0	0	25	0
Millsaps College	689	0	0	0	675	0	0	0	0	0	14	0
Miss Gif Cst JC Perkinstn	4,825	0	0	0	4,738	0	0	87	0	0	0	0
Miss University for Women	1,235	0	0	0	1,182	0	0	53	0	0	0	0
Miss Valley State Univ	6,788	686	100	0	6,058	0	24	0	0	0	0	0
Miss-Ala Sea Grant Cnsrtm	1,011	0	1,011	0	0	0	0	0	0	0	0	0
Mississippi College	1,530	0	0	0	1,506	0	0	0	0	0	24	0
Mississippi Delta Jr Col	1,449	0	0	0	1,449	0	0	0	0	0	0	0
Mississippi State Univ	31,186	16,610	100	430	9,063	2,750	0	331	335	854	585	128
Northeast Miss Junior Col	1,703	0	0	0	1,703	0	0	0	0	0	0	0
Northwest Miss Junior Col	3,092	0	0	0	3,092	0	0	0	0	0	0	0
Pearl River Junior Col	1,727	0	0	0	1,727	0	0	0	0	0	0	0
Phillips Col of Jackson	1,159	0	0	0	1,159	0	0	0	0	0	0	0
Phillips College	1,737	0	0	0	1,737	0	0	0	0	0	0	0
Prentiss Norm & Ind Inst	185	0	0	0	185	0	0	0	0	0	0	0
Rust College	5,609	0	0	0	5,380	14	0	215	0	0	0	0
Southeastern Baptist Col	103	0	0	0	103	0	0	0	0	0	0	0
Southwest Miss Junior Col	651	0	0	0	651	0	0	0	0	0	0	0
Tougaloo College	3,676	0	0	0	3,062	0	0	614	0	0	0	0
Univ of Sthrn Mississippi	14,322	2,767	100	794	9,398	0	0	68	0	32	1,166	0
University of Mississippi	20,146	1,818	0	2,531	4,202	120	0	9,104	1,338	52	981	0
Wesley College	70	0	0	0	70	0	0	0	0	0	0	0
William Carey College	1,040	0	0	0	1,040	0	0	0	0	0	0	0
Wood Junior College	387	0	0	0	387	0	0	0	0	0	0	0
Missouri, total	284,354	19,523	214	2,910	104,373	3,077	387	133,280	2,294	3,475	12,742	2,079
Assemblies of God Grad Sc	46	0	0	0	46	0	0	0	0	0	0	0
Avila College	627	0	0	0	627	0	0	0	0	0	0	0
Baptist Bible College	763	0	0	0	763	0	0	0	0	0	0	0
Basic Institute of Tech	40	0	0	0	40	0	0	0	0	0	0	0
Calvary Bible Col	236	0	0	0	236	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Missouri, cont'd												
Central Bible College	1,027	0	0	0	1,027	0	0	0	0	0	0	0
Central Methodist College	1,006	0	0	0	1,006	0	0	0	0	0	0	0
Central Missouri St Univ	5,449	0	0	0	5,412	0	0	1	0	0	36	0
Cleveland Chiro College	101	0	0	0	101	0	0	0	0	0	0	0
Cntrl Christian Col Bible	63	0	0	0	63	0	0	0	0	0	0	0
Columbia College (MO)	1,096	0	0	0	1,096	0	0	0	0	0	0	0
Conception Sem College	74	0	0	0	74	0	0	0	0	0	0	0
Concordia Seminary	87	0	0	0	87	0	0	0	0	0	0	0
Cottey College	141	0	0	0	141	0	0	0	0	0	0	0
Crowder College	1,123	0	0	0	1,043	0	80	0	0	0	0	0
Culver-Stockton College	742	0	0	0	742	0	0	0	0	0	0	0
Drury College	682	0	0	0	670	0	0	0	0	0	12	0
East Cntrl MO Dist Jr Col	867	1	0	0	866	0	0	0	0	0	0	0
Eden Theological Seminary	7	0	0	0	7	0	0	0	0	0	0	0
Evangel College	1,539	0	0	0	1,539	0	0	0	0	0	0	0
Fontbonne College	410	0	0	0	410	0	0	0	0	0	0	0
Hannibal-La Grange Col	607	0	0	0	607	0	0	0	0	0	0	0
Harris Stowe State Col	2,160	0	0	0	2,160	0	0	0	0	0	0	0
ITT Tech Inst-St. Louis	212	0	0	0	212	0	0	0	0	0	0	0
Jefferson College	1,400	0	0	0	1,400	0	0	0	0	0	0	0
Kansas City Art Inst	642	0	0	0	642	0	0	0	0	0	0	0
Kemper Military Sch & Col	142	0	0	0	142	0	0	0	0	0	0	0
Kirksville Col Osteo Med	1,177	0	0	0	269	0	0	908	0	0	0	0
Lincoln University (MO)	5,931	3,453	0	51	2,161	0	0	246	20	0	0	0
Longview Community Col	1,089	0	0	0	1,089	0	0	0	0	0	0	0
Maple Woods Community Col	671	0	0	0	671	0	0	0	0	0	0	0
Maryville College	556	0	0	0	556	0	0	0	0	0	0	0
Metro CC Adm Ctr Sys Off	329	0	0	0	329	0	0	0	0	0	0	0
Mineral Area College	1,699	0	0	0	1,699	0	0	0	0	0	0	0
Missouri Baptist College	326	0	0	0	326	0	0	0	0	0	0	0
Missouri Southern St Col	3,496	0	0	0	3,492	0	0	0	4	0	0	0
Missouri Valley College	1,423	0	0	0	1,423	0	0	0	0	0	0	0
Missouri Western St Col	2,877	0	0	0	2,877	0	0	0	0	0	0	0
Moberly Area Junior Col	730	0	0	0	730	0	0	0	0	0	0	0
Northeast Missouri St U	2,747	85	0	0	2,597	0	0	7	0	0	78	0
Northwest Missouri St U	2,957	0	0	0	2,957	0	0	0	0	0	0	0
Ozark Bible College	504	0	0	0	504	0	0	0	0	0	0	0
Park College	3,140	0	0	0	3,140	0	0	0	0	0	0	0
Penn Valley Community C	1,741	0	0	0	1,741	0	0	0	0	0	0	0
Research Col of Nursing	84	0	0	0	84	0	0	0	0	0	0	0
Rockhurst College	923	0	0	0	823	0	0	0	0	0	100	0
Saint Louis Rabbinical C	38	0	0	0	38	0	0	0	0	0	0	0
School of the Ozarks	1,774	0	0	0	1,774	0	0	0	0	0	0	0
Southeast Missouri St U	5,438	0	0	0	4,994	0	0	0	0	0	444	0
Southwest Baptist College	2,493	0	0	0	2,493	0	0	0	0	0	0	0
Southwest Missouri St U	8,917	0	0	0	8,826	0	8	31	0	0	52	0
St Louis Christian Coll	73	0	0	0	73	0	0	0	0	0	0	0
St Louis Col of Pharmacy	576	0	0	0	564	0	0	12	0	0	0	0
St Louis Community Col	6,048	0	0	0	6,040	0	0	0	0	0	8	0
St Louis University	17,520	0	0	201	4,842	0	0	11,369	184	55	759	110
State Fair Community Col	1	0	0	0	1	0	0	0	0	0	0	0
Stephens College	272	0	0	0	272	0	0	0	0	0	0	0
Tarkio College	1,440	0	0	0	1,440	0	0	0	0	0	0	0
The Lindenwood Colleges	510	0	0	0	510	0	0	0	0	0	0	0
Three Rivers Cmty College	1,576	0	0	0	1,576	0	0	0	0	0	0	0
Trenton Junior College	418	0	0	0	418	0	0	0	0	0	0	0
Univ of Health Sciences	121	0	0	0	0	0	0	121	0	0	0	0
Univ of Missouri Columbia	43,503	15,670	56	560	8,200	802	224	13,320	299	223	2,231	1,918
Univ of Missouri Kan City	5,361	0	0	278	1,022	127	0	3,305	0	0	626	3
Univ of Missouri Rolla	5,102	2	57	85	1,620	502	0	0	1,298	276	1,262	0
Univ of Missouri St Louis	4,704	0	0	176	2,455	0	0	654	0	39	1,380	0
Univ of Missouri Sys Off	1,005	182	101	0	0	161	0	24	489	0	0	48
Washington University	120,764	150	0	1,559	5,577	1,485	75	103,282	0	2,882	5,754	0
Webster University	1,059	0	0	0	1,059	0	0	0	0	0	0	0
Wentworth Military Acad	241	0	0	0	241	0	0	0	0	0	0	0
Westminster College	271	0	0	0	271	0	0	0	0	0	0	0
William Jewell College	1,000	0	0	0	1,000	0	0	0	0	0	0	0
William Woods College	440	0	0	0	440	0	0	0	0	0	0	0
Montana, total	40,921	5,538	146	259	23,648	44	817	3,091	3,585	272	3,095	426
Blackfeet Community Col	1,310	0	0	0	734	0	0	0	576	0	0	0
Carroll College	962	0	0	0	962	0	0	0	0	0	0	0
College of Great Falls	1,413	0	0	0	1,413	0	0	0	0	0	0	0
Dawson Community College	390	0	0	0	390	0	0	0	0	0	0	0
Dull Knife Memorial Col	797	0	0	0	487	0	0	0	310	0	0	0
Eastern Montana College	2,937	0	0	0	2,919	0	0	0	2	0	16	0
Flathead Valley Cmty Col	821	0	0	0	821	0	0	0	0	0	0	0
Fort Belknap College	248	0	0	0	0	0	0	0	248	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Montana, cont'd												
Fort Peck Cmty College	375	0	0	0	0	0	0	0	375	0	0	0
Little Big Horn College	919	0	0	0	571	0	0	0	348	0	0	0
Miles Community College	960	0	0	0	960	0	0	0	0	0	0	0
Mont Col Minrl Sci & Tech	1,007	10	0	0	797	0	0	19	138	0	43	0
Montana State University	18,598	5,112	100	259	7,600	44	523	2,142	181	126	2,085	426
Montana U Sys-System Off	286	0	46	0	240	0	0	0	0	0	0	0
Northern Montana College	1,700	0	0	0	1,613	0	80	7	0	0	0	0
Rocky Mountain College	903	0	0	0	903	0	0	0	0	0	0	0
Salish Kootenai Cmty Col	717	0	0	0	0	0	0	0	717	0	0	0
Stone Child College	271	0	0	0	0	0	0	0	271	0	0	0
University of Montana	4,319	416	0	0	1,250	0	214	923	419	146	951	0
Western Montana College	1,988	0	0	0	1,988	0	0	0	0	0	0	0
Nebraska, total	80,646	11,663	410	1,334	42,840	412	12	17,241	382	691	2,996	2,665
Bellevue College	637	0	0	0	637	0	0	0	0	0	0	0
Bishop Clarkson Mem Hosp Col	116	0	0	0	116	0	0	0	0	0	0	0
Chadron State College	2,128	0	0	0	2,066	0	0	0	0	0	62	0
College of St Mary	652	0	0	0	652	0	0	0	0	0	0	0
Concordia Teachers Col	835	0	0	0	835	0	0	0	0	0	0	0
Creighton University	7,143	0	0	0	3,823	0	0	3,308	0	0	12	0
Dana College	521	0	0	0	521	0	0	0	0	0	0	0
Doane College	852	0	0	0	796	0	0	32	0	0	24	0
Grace Col of the Bible	241	0	0	0	241	0	0	0	0	0	0	0
Hastings College	821	0	0	0	821	0	0	0	0	0	0	0
Kearney State College	4,894	0	0	0	4,894	0	0	0	0	0	0	0
Metropolitan Comm Col	1,456	0	0	0	1,456	0	0	0	0	0	0	0
Mid Plains Cmty Col Area	636	0	0	0	636	0	0	0	0	0	0	0
Midland Lutheran College	973	0	0	0	973	0	0	0	0	0	0	0
Nebraska Christian Col	102	0	0	0	102	0	0	0	0	0	0	0
Nebraska Indian Cmty Col	314	0	0	0	112	0	0	0	202	0	0	0
Nebraska Wesleyan Univ	1,037	0	0	0	984	0	0	0	0	0	53	0
Peru State College	1,475	0	0	0	1,416	0	0	31	0	0	28	0
S E Cmty Col - Lincoln	1	1	0	0	0	0	0	0	0	0	0	0
Southeast Neb Tech CC	996	0	0	0	996	0	0	0	0	0	0	0
U of Neb Med Ctr at Omaha	11,683	0	0	0	1,015	0	0	10,662	0	0	6	0
U Neb Ctrl Admin Sys Off	323	223	0	0	0	0	0	0	0	0	0	100
Union College (Neb)	689	0	0	0	689	0	0	0	0	0	0	0
Univ of Nebraska at Omaha	5,739	0	0	173	5,435	0	0	127	0	0	4	0
Univ of Nebraska-Lincoln	34,197	11,439	410	1,161	11,458	412	12	3,081	180	691	2,788	2,565
Wayne State College	1,836	0	0	0	1,817	0	0	0	0	0	19	0
York College	349	0	0	0	349	0	0	0	0	0	0	0
Nevada, total	25,308	2,701	1,386	128	8,942	123	2,561	4,525	1,647	402	2,865	28
Clark County Cmty College	951	0	0	0	948	0	0	0	0	0	0	3
Desert Research Institute	1,636	0	706	0	0	25	71	0	0	90	744	0
Northern Nevada Cmty Col	141	0	0	0	141	0	0	0	0	0	0	0
Sierra Nevada College	96	0	0	0	96	0	0	0	0	0	0	0
Truckee Meadows Cmty Col	1,581	0	0	0	1,581	0	0	0	0	0	0	0
U of Nev Sys Adm Sys Off	1,303	0	680	0	0	0	0	0	0	0	623	0
Univ of Nevada - Reno	12,915	2,701	0	128	2,748	98	175	4,525	1,164	227	1,124	25
Univ of Nevada Las Vegas	6,343	0	0	0	3,086	0	2,315	0	483	85	374	0
Western Nevada Cmty Col	342	0	0	0	342	0	0	0	0	0	0	0
New Hampshire, total	55,679	3,461	259	2,469	15,169	977	481	21,643	280	5,263	5,596	81
Castle Junior College	31	0	0	0	31	0	0	0	0	0	0	0
Colby-Sawyer College	187	0	0	0	187	0	0	0	0	0	0	0
Dartmouth College	28,398	306	0	1,786	3,029	557	162	19,759	10	367	2,422	0
Franklin Pierce College	2,390	0	0	0	2,390	0	0	0	0	0	0	0
Hesser College	760	0	0	0	760	0	0	0	0	0	0	0
Keene State College	1,599	0	0	0	1,499	0	0	0	0	0	100	0
McIntosh College	167	0	0	0	167	0	0	0	0	0	0	0
Merrimack Valley Col-Unh	60	0	60	0	0	0	0	0	0	0	0	0
Nathaniel Hawthorne Col	8	0	0	0	8	0	0	0	0	0	0	0
New England College	1,219	0	0	0	1,219	0	0	0	0	0	0	0
New Hampshire College	974	0	0	0	974	0	0	0	0	0	0	0
New Hampshire Tech Inst	416	0	0	0	416	0	0	0	0	0	0	0
Notre Dame College (NH)	225	0	0	0	225	0	0	0	0	0	0	0
NH Tech Col-Berlin	570	0	0	0	570	0	0	0	0	0	0	0
NH Tech Col-Claremont	222	0	0	0	222	0	0	0	0	0	0	0
NH Tech Col-Laconia	93	0	0	0	93	0	0	0	0	0	0	0
NH Tech Col-Manchester	269	0	0	0	269	0	0	0	0	0	0	0
NH Tech Col-Stratham	132	0	0	0	132	0	0	0	0	0	0	0
Plymouth St Col-Univ N H	1,639	0	0	0	1,639	0	0	0	0	0	0	0
Rivier College	242	0	0	0	242	0	0	0	0	0	0	0
School Life Long Learning	111	0	0	0	111	0	0	0	0	0	0	0
St Anselm College	1,060	0	0	0	941	0	0	119	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 21 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New Hampshire, cont'd												
Univ of New Hampshire	14,510	3,155	199	683	0	420	319	1,544	220	4,896	3,074	0
Univ Sys of N Hamp Sys Of	352	0	0	0	0	0	0	221	50	0	0	81
White Pines College	45	0	0	0	45	0	0	0	0	0	0	0
New Jersey, total	224,745	8,332	162	14,662	86,499	5,505	3,807	67,118	667	4,005	32,423	565
Atlantic Community Col	995	0	0	0	995	0	0	0	0	0	0	0
Bergen Community College	1,368	0	0	0	1,368	0	0	0	0	0	0	0
Bloomfield College	1,388	0	0	0	1,388	0	0	0	0	0	0	0
Brookdale Community Col	858	0	0	0	858	0	0	0	0	0	0	0
Burlington County College	727	0	0	175	552	0	0	0	0	0	0	0
Caldwell College	260	0	0	0	260	0	0	0	0	0	0	0
Camden County College	1,635	0	0	0	1,635	0	0	0	0	0	0	0
Centenary College	375	0	0	0	375	0	0	0	0	0	0	0
College of St Elizabeth	233	0	0	0	231	0	0	2	0	0	0	0
County College of Morris	816	0	0	0	816	0	0	0	0	0	0	0
Cumberland County College	873	0	0	0	873	0	0	0	0	0	0	0
Don Bosco College	20	0	0	0	20	0	0	0	0	0	0	0
Drew University	812	0	0	0	794	0	0	0	0	0	18	0
Essex County College	4,518	0	0	0	4,505	0	0	0	0	0	0	13
Fairleigh Dickinson Univ	3,628	0	0	0	3,497	0	0	91	40	0	0	0
Felician College (NJ)	189	0	0	0	189	0	0	0	0	0	0	0
Georgian Court College	722	0	0	0	722	0	0	0	0	0	0	0
Glassboro State College	3,487	0	0	0	3,487	0	0	0	0	0	0	0
Gloucester County College	850	0	0	0	850	0	0	0	0	0	0	0
Hudson Cnty CC Comm	2,549	0	0	0	2,549	0	0	0	0	0	0	0
Jersey City State College	2,731	0	0	0	2,731	0	0	0	0	0	0	0
Kean Col of New Jersey	2,657	0	0	0	2,657	0	0	0	0	0	0	0
Mercer County Cmty Col	1,557	0	0	0	1,557	0	0	0	0	0	0	0
Middlesex County College	1,035	0	0	0	1,035	0	0	0	0	0	0	0
Monmouth College (NJ)	1,111	0	0	0	1,066	0	0	0	0	0	45	0
Montclair State College	3,734	0	0	0	3,723	0	0	0	0	0	11	0
N J Inst of Technology	5,337	0	0	225	2,292	14	2,080	0	111	0	539	76
Northeastern Bible Col	56	0	0	0	56	0	0	0	0	0	0	0
Ocean County College	845	0	0	0	845	0	0	0	0	0	0	0
Passaic County Cmty Col	1,981	0	0	0	1,981	0	0	0	0	0	0	0
Princeton Theol Sem	96	0	0	0	96	0	0	0	0	0	0	0
Princeton University	54,695	0	30	9,175	4,268	5,436	265	14,267	360	3,587	17,307	0
Rabbinical C of America	230	0	0	0	230	0	0	0	0	0	0	0
Ramapo College of N J	1,454	0	0	0	1,454	0	0	0	0	0	0	0
Rider College	1,653	0	0	0	1,480	0	0	109	0	0	64	0
Rutgers the St Univ of NJ	61,238	8,117	132	2,838	17,476	637	1,103	16,704	156	187	13,412	476
Salem Community College	611	0	0	0	611	0	0	0	0	0	0	0
Seton Hall University	4,148	0	0	0	3,546	72	0	530	0	0	0	0
Somerset County College	463	0	0	0	463	0	0	0	0	0	0	0
St Peter's College	1,609	0	0	0	1,609	0	0	0	0	0	0	0
Stevens Institute of Tech	3,938	0	0	1,335	2,022	161	0	0	0	50	370	0
Stockton State College	1,837	0	0	0	1,837	0	0	0	0	0	0	0
Talmudical Inst Ctrl Jers	38	0	0	0	38	0	0	0	0	0	0	0
Thomas A Edison College	11	0	0	0	11	0	0	0	0	0	0	0
Trenton State College	1,857	0	0	0	1,757	0	0	0	0	0	100	0
Union County College	1,470	0	0	0	1,470	0	0	0	0	0	0	0
Univ of Med & Dent of N J	38,932	215	0	914	1,109	185	359	35,412	0	181	557	0
Upsala College	1,139	0	0	0	1,139	0	0	0	0	0	0	0
William Paterson College	1,979	0	0	0	1,976	0	0	3	0	0	0	0
New Mexico, total	126,652	5,560	107	33,172	41,200	4,281	90	13,576	696	21,455	6,515	0
Col of the Southwest	158	0	0	0	158	0	0	0	0	0	0	0
College of Santa Fe	1,380	0	0	0	1,302	0	0	78	0	0	0	0
Eastern New Mexico Univ	6,382	0	0	0	6,382	0	0	0	0	0	0	0
N Mex Inst Mining & Tech	5,857	0	0	1,061	985	2,334	0	0	297	356	824	0
New Mexico Highlands Univ	3,856	8	0	0	3,494	0	0	282	0	0	72	0
New Mexico Junior College	511	0	0	0	511	0	0	0	0	0	0	0
New Mexico Military Inst	221	0	0	0	221	0	0	0	0	0	0	0
New Mexico State Univ	58,424	5,512	54	20,485	7,754	1,136	90	1,478	394	19,487	2,034	0
Nrthrn N Mex Cmty Col	1,916	0	0	0	1,911	0	0	0	5	0	0	0
San Juan College	1,129	0	0	0	1,119	0	0	0	0	10	0	0
Santa Fe Community Col	419	0	0	0	419	0	0	0	0	0	0	0
Univ of Albuquerque	162	0	0	0	0	0	0	0	0	162	0	0
University of New Mexico	44,616	40	53	11,626	15,323	811	0	11,738	0	1,440	3,585	0
Western New Mexico Univ	1,621	0	0	0	1,621	0	0	0	0	0	0	0
New York, total	1,447,386	22,102	3,838	65,553	489,614	46,509	6,767	618,968	1,453	18,521	163,750	10,311
Academy of Aeronautics	1,137	0	0	0	1,137	0	0	0	0	0	0	0
Adelphi University	3,818	0	0	0	3,399	0	0	378	0	0	41	0
Albany Col of Pharmacy	473	0	0	0	462	0	0	11	0	0	0	0
Albany Medical College	7,786	0	0	0	251	0	0	7,479	0	0	56	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 22 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Alfred University	2,024	0	18	0	1,519	0	0	0	0	0	487	0
Assoc Beth Rivkah Schools	311	0	0	0	311	0	0	0	0	0	0	0
Bais Fruma	3,322	0	0	0	3,322	0	0	0	0	0	0	0
Bank Street Col of Ed	1,628	0	0	0	1,620	0	0	0	0	0	8	0
Bard College	764	0	0	0	699	0	0	0	0	0	65	0
Barnard College	1,851	0	0	70	1,075	0	0	492	0	0	214	0
Belzer Yesh-Machzikei Sem	1,492	0	0	0	1,492	0	0	0	0	0	0	0
Beth Hatalmud Col	116	0	0	0	116	0	0	0	0	0	0	0
Beth Israel Sch Nursing	91	0	0	0	91	0	0	0	0	0	0	0
Beth Jacob Hebr Tchrs Col	1,557	0	0	0	1,557	0	0	0	0	0	0	0
Beth Medrash Emek Halach	41	0	0	0	41	0	0	0	0	0	0	0
Beth Medrash Eyran Hatal	1,065	0	0	0	1,065	0	0	0	0	0	0	0
Bnos Jerusalem Seminary	1,211	0	0	0	1,211	0	0	0	0	0	0	0
Boricua College	3,121	0	0	0	3,121	0	0	0	0	0	0	0
Bramson Ort Tech Inst	959	0	0	0	959	0	0	0	0	0	0	0
Brooklyn Law School	105	0	0	0	105	0	0	0	0	0	0	0
Bryant&Stratton Bus In-Syr	2,093	0	0	0	2,093	0	0	0	0	0	0	0
Bryant&Stratton Bus In-Roch	2,232	0	0	0	2,232	0	0	0	0	0	0	0
Bryant-Stratton Bus In-Buff	2,761	0	0	0	2,761	0	0	0	0	0	100	0
Canisius College	3,155	0	0	0	3,055	0	0	0	0	0	0	0
Cathedral Col Immac Concp	1	0	0	0	1	0	0	0	0	0	0	0
Cayuga County Cmty Col	1,301	0	0	0	1,301	0	0	0	0	0	0	0
Cazenovia College	891	0	0	0	891	0	0	0	0	0	0	0
Clarkson University	5,833	0	0	841	1,937	368	0	93	0	1,393	1,201	0
Col of Insurance	37	0	0	0	37	0	0	0	0	0	0	0
Col of Mount St Vincent	622	0	0	0	606	0	0	0	0	0	16	0
Colgate University	1,399	0	0	0	1,075	0	0	0	0	0	324	0
College for Human Service	1,295	0	0	0	1,295	0	0	0	0	0	0	0
College of New Rochelle	5,152	0	0	0	4,714	0	0	67	0	0	371	0
College of St Rose	1,017	0	0	0	987	0	0	0	0	0	30	0
Columbia U Teachers Col	3,749	0	0	0	2,894	0	0	445	0	0	410	0
Columbia Univ Main Div	178,910	0	0	11,464	12,376	6,773	53	111,869	908	3,944	29,362	2,161
Concordia College (NY)	243	0	0	0	243	0	0	0	0	0	0	0
Cooper Union	446	0	0	0	350	0	0	0	0	0	96	0
Cornell University	192,077	21,113	100	15,153	11,022	4,169	835	71,842	346	5,329	61,612	556
Culinary Inst of America	1,029	0	0	0	1,029	0	0	0	0	0	0	0
CUNY Bernard Baruch Col	549	265	0	0	0	0	0	175	0	0	109	0
CUNY Boro of Man Cmty Col	14	0	0	0	0	0	0	0	0	0	0	14
CUNY Bronx Cmty College	716	0	0	0	46	66	0	604	0	0	0	0
CUNY Brooklyn College	1,916	0	0	0	118	0	0	770	0	98	930	0
CUNY Central Sys Off	111,981	0	0	0	110,449	250	0	0	0	120	662	500
CUNY City College	13,734	0	0	2,038	250	1,212	0	5,211	0	51	4,722	250
CUNY Col Staten Island	544	0	0	152	0	40	0	323	0	0	29	0
CUNY Grad Sch & Univ Ctr	2,186	0	0	0	0	0	0	1,906	0	0	280	0
CUNY Hostos Cmty College	92	0	0	0	0	0	0	92	0	0	0	0
CUNY Hunter College	5,828	0	0	0	0	65	0	4,944	0	31	788	0
CUNY Jhn Jay Col Crim Jus	429	0	0	0	0	0	0	366	0	0	63	0
CUNY Kingsboro Cmty Col	1	0	0	0	1	0	0	0	0	0	0	0
CUNY Laguardia Cmty Col	113	0	0	0	6	0	0	107	0	0	0	0
CUNY Lehman College	1,084	0	0	0	0	0	0	812	0	0	272	0
CUNY Medgar Evers College	234	0	0	0	0	0	0	205	0	0	29	0
CUNY NY City Tech Col	911	0	0	0	726	0	0	105	0	0	80	0
CUNY Queens College	1,377	0	0	0	0	136	0	983	0	0	258	0
CUNY York College	1,203	0	0	0	142	0	0	701	0	0	360	0
D'Youville College	1,179	0	0	0	1,121	0	0	58	0	0	0	0
Daemen College	1,550	0	0	0	1,550	0	0	0	0	0	0	0
Darkei No'am Rabbinical C	32	0	0	0	32	0	0	0	0	0	0	0
Derech Ayson Rabbin Sem	1,207	0	0	0	1,207	0	0	0	0	0	0	0
Dominican Col of Blauvelt	288	0	0	0	288	0	0	0	0	0	0	0
Dowling College	1,640	0	0	0	1,640	0	0	0	0	0	0	0
Elizabeth Seton College	742	0	0	0	742	0	0	0	0	0	0	0
Elmira College	762	0	0	0	762	0	0	0	0	0	0	0
Erie Cmty Col City Cam	3,633	0	0	0	3,633	0	0	0	0	0	0	0
Erie Cmty Col South Cam	1,386	0	0	0	1,386	0	0	0	0	0	0	0
Five Towns College	375	0	0	0	375	0	0	0	0	0	0	0
Fordham University	6,069	0	0	0	3,807	0	0	2,168	0	15	79	0
Friends World College	213	0	0	0	213	0	0	0	0	0	0	0
Hadar H Rabbinical Sem	65	0	0	0	65	0	0	0	0	0	0	0
Hamilton College	1,159	0	0	0	808	0	0	76	0	0	275	0
Hartwick College	790	0	0	0	790	0	0	0	0	0	0	0
Hilbert College	579	0	0	0	579	0	0	0	0	0	0	0
Hobart-Wm Smith Colleges	971	0	0	0	956	0	0	0	0	0	15	0
Hofstra University	3,985	0	0	30	3,762	0	0	116	0	77	0	0
Houghton College	993	0	0	0	987	0	0	0	0	0	6	0
Interboro Institute	1,363	0	0	0	1,363	0	0	0	0	0	0	0
Iona College	2,288	0	0	0	2,233	0	0	0	0	0	55	0
Ithaca College	2,761	0	0	0	2,427	0	0	0	0	0	334	0
Jamestown Bus College	459	0	0	0	459	0	0	0	0	0	0	0
Jewish Theol Sem of Amer	194	0	0	0	194	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
Juilliard School	549	0	0	0	549	0	0	0	0	0	0	0
Katherine Gibbs School	693	0	0	0	693	0	0	0	0	0	0	0
Kehilath Yakov Rab Sem	153	0	0	0	153	0	0	0	0	0	0	0
Keuka College	830	0	0	0	830	0	0	0	0	0	0	0
King's College (NY)	347	0	0	0	347	0	0	0	0	0	0	0
Kol Yaakov Torah Center	52	0	0	0	52	0	0	0	0	0	0	0
Lab Inst of Merchandising	112	0	0	0	112	0	0	0	0	0	0	0
Le Moyne College	1,135	0	0	0	1,135	0	0	0	0	0	0	0
Long Island University	8,632	0	0	107	8,372	0	0	110	0	0	43	0
LI Sem Jew Stud Women	80	0	0	0	80	0	0	0	0	0	0	0
Manhattan College	1,791	0	0	0	1,387	0	207	0	0	67	130	0
Manhattanville College	514	0	0	0	514	0	0	0	0	0	0	0
Mannes Col of Music	70	0	0	0	70	0	0	0	0	0	0	0
Maria College of Albany	320	0	0	0	320	0	0	0	0	0	0	0
Maria Regina College	13	0	0	0	13	0	0	0	0	0	0	0
Marist College	2,908	0	0	0	2,908	0	0	0	0	0	0	0
Marymount College (NY)	886	0	0	0	874	0	0	0	0	0	12	0
Marymount Manhattan Col	1,047	0	0	0	1,047	0	0	0	0	0	0	0
Mater Dei College	582	0	0	0	582	0	0	0	0	0	0	0
Medaille College	1,402	0	0	0	1,402	0	0	0	0	0	0	0
Mercy College	4,561	0	0	0	4,561	0	0	0	0	0	0	0
Mes Tor Vodaath Rabin Sem	232	0	0	0	232	0	0	0	0	0	0	0
Mesivta Estn Pkwy Rab Sem	53	0	0	0	53	0	0	0	0	0	0	0
Mesivtha Tifereth Jeru Am	113	0	0	0	113	0	0	0	0	0	0	0
Mirrer Yeshiva Cent Inst	170	0	0	0	170	0	0	0	0	0	0	0
Molloy College	793	0	0	0	793	0	0	0	0	0	0	0
Mount St Mary College	772	0	0	0	772	0	0	0	0	0	0	0
Mt Sinai Sch of Medicine	45,244	0	0	0	526	256	184	43,690	0	312	316	0
N Y Col of Podiatric Med	286	0	0	0	165	0	0	121	0	0	0	0
Nazareth Col of Rochester	1,309	0	0	0	1,206	0	0	25	0	0	78	0
New Sch for Soc Research	318	0	0	0	7	0	0	311	0	0	0	0
New York Chiropractic Col	272	0	0	0	272	0	0	0	0	0	0	0
New York Inst Technology	4,719	0	0	0	4,338	0	0	358	0	0	21	2
New York Medical College	10,921	0	0	0	269	73	0	10,409	0	10	160	0
New York University	96,278	2	0	4,184	11,808	4,408	497	65,530	0	575	5,449	3,825
Niagara University	2,147	0	0	0	2,147	0	0	0	0	0	0	0
Nyack College	407	0	0	0	407	0	0	0	0	0	0	0
NY St Ceramics-Alfred U	5	0	0	5	0	0	0	0	0	0	0	0
Ohr Hameir Theol Sem	55	0	0	0	55	0	0	0	0	0	0	0
Olean Business Institute	217	0	0	0	217	0	0	0	0	0	0	0
Pace University	5,321	0	0	0	4,641	0	0	662	0	0	18	0
Paul Smith's Col Arts Sci	18	0	0	0	0	0	0	0	0	0	18	0
Plaza Business Institute	1,046	0	0	0	1,046	0	0	0	0	0	0	0
Polytechnic University	6,879	0	30	2,988	2,107	186	0	149	0	242	1,177	0
Pratt Institute	3,071	0	0	0	3,028	0	0	0	0	0	43	0
Rab Col Bobover Yeshiva	457	0	0	0	457	0	0	0	0	0	0	0
Rabb Col of Kamenitz Yesh	1,274	0	0	0	1,274	0	0	0	0	0	0	0
Rabbinical C Beth Shraga	45	0	0	0	45	0	0	0	0	0	0	0
Rabbinical College L I	69	0	0	0	69	0	0	0	0	0	0	0
Rabbinical Sem of America	85	0	0	0	85	0	0	0	0	0	0	0
Rabbinical Sem Mkor Chaim	106	0	0	0	106	0	0	0	0	0	0	0
Rabbinicl Col Chsan Sofer	111	0	0	0	111	0	0	0	0	0	0	0
Rabbinicl Sem Adas Yereim	149	0	0	0	149	0	0	0	0	0	0	0
Rensselaer Polytech Inst	22,116	125	1,575	6,306	0	2,570	77	1,937	0	2,697	6,552	277
Rika Breuer Tchrs Sem	29	0	0	0	29	0	0	0	0	0	0	0
Roberts Wesleyan College	587	0	0	0	587	0	0	0	0	0	0	0
Rochester Inst Technology	40,318	0	0	0	39,548	15	0	316	0	0	439	0
Rockefeller University	37,014	0	0	0	0	1,245	357	34,413	0	0	999	0
Russell Sage College	1,936	0	0	0	1,824	0	0	112	0	0	0	0
Sara Schenirer Tchrs Sem	143	0	0	0	143	0	0	0	0	0	0	0
Sarah Lawrence College	481	0	0	0	481	0	0	0	0	0	0	0
Sh'or Yoshuv Rabbinical C	54	0	0	0	54	0	0	0	0	0	0	0
Siena College	1,198	0	0	0	1,198	0	0	0	0	0	0	0
Skidmore College	1,088	0	0	0	1,088	0	0	0	0	0	0	0
St Bonaventure University	1,376	0	0	0	1,376	0	0	0	0	0	0	0
St Francis College (NY)	1,072	0	0	0	1,072	0	0	0	0	0	0	0
St John Fisher College	1,210	0	0	0	1,136	74	0	0	0	0	0	0
St John's University (NY)	7,111	0	0	0	6,425	0	0	682	0	0	4	0
St Joseph's College	673	0	0	0	673	0	0	0	0	0	0	0
St Lawrence University	1,071	0	0	0	1,071	0	0	0	0	0	0	0
St Thomas Aquinas College	539	0	0	0	539	0	0	0	0	0	0	0
Suffolk Co CC Eastern Cam	3	0	0	0	3	0	0	0	0	0	0	0
Syracuse University	32,740	37	0	8,751	11,305	852	215	5,370	125	189	3,437	2,459
SUNY - Hlth Sci Brooklyn	16,058	0	0	0	0	0	0	15,406	0	0	652	0
SUNY - Hlth Sci Syracuse	13,010	0	0	0	2,221	0	0	10,474	0	0	315	0
SUNY at Albany	21,265	0	0	4,065	1,838	811	3,303	6,774	0	477	3,997	0
SUNY at Binghamton	4,422	0	0	44	1,097	85	0	1,442	0	152	1,338	264
SUNY at Buffalo All Cmps	44,491	0	0	1,909	2,539	557	0	28,819	0	1,273	9,394	0
SUNY at Stony Brook	47,247	0	0	356	1,695	4,912	0	26,478	54	1,194	12,558	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
New York, cont'd												
SUNY Adirondack Cmty Col	1,082	0	0	0	1,082	0	0	0	0	0	0	0
SUNY Ag & Tech Alfred	366	0	0	0	366	0	0	0	0	0	0	0
SUNY Ag & Tech Canton	426	0	0	0	426	0	0	0	0	0	0	0
SUNY Ag & Tech Cobleskill	269	0	0	0	200	0	0	0	0	0	69	0
SUNY Ag & Tech Delhi	240	0	0	0	240	0	0	0	0	0	0	0
SUNY Ag & Tech Farmingdale	846	0	0	0	846	0	0	0	0	0	0	0
SUNY Ag & Tech Morrisville	228	0	0	0	228	0	0	0	0	0	0	0
SUNY Broome Cmty Col	2,454	0	0	0	2,341	113	0	0	0	0	0	0
SUNY Clinton Cmty College	1,179	0	0	0	1,179	0	0	0	0	0	0	0
SUNY Cmty Col Finger Lake	2,168	0	0	0	2,168	0	0	0	0	0	0	0
SUNY Col at Old Westbury	1,208	0	0	0	388	0	0	770	0	0	48	2
SUNY Col of Env Sci & For	1,162	370	0	0	283	0	0	0	20	0	489	0
SUNY College at Purchase	980	0	0	0	621	0	0	100	0	44	215	0
SUNY College Brockport	1,485	0	0	0	1,357	0	40	0	0	0	88	0
SUNY College Buffalo	1,842	0	0	0	1,267	0	0	172	0	0	403	0
SUNY College Cortland	572	0	0	0	474	0	0	0	0	0	98	0
SUNY College Fredonia	567	0	0	0	555	0	0	0	0	0	12	0
SUNY College Geneseo	904	0	0	0	690	0	0	106	0	0	108	0
SUNY College New Paltz	893	0	0	0	763	0	0	130	0	0	0	0
SUNY College Oneonta	584	0	0	0	576	0	0	0	0	0	8	0
SUNY College Oswego	449	0	0	0	437	0	0	0	0	0	12	0
SUNY College Plattsburgh	1,427	0	57	0	837	56	0	437	0	0	40	0
SUNY College Potsdam	422	0	0	0	403	0	0	0	0	0	19	0
SUNY College Utica Rome	739	0	0	0	433	0	0	306	0	0	0	0
SUNY Columbia Greene Col	889	0	0	0	889	0	0	0	0	0	0	0
SUNY Corning Cmty College	1,938	0	0	0	1,938	0	0	0	0	0	0	0
SUNY Dutchess Cmty Col	1,329	0	0	0	1,329	0	0	0	0	0	0	0
SUNY Erie CC North Cam	2,770	0	0	0	2,770	0	0	0	0	0	0	0
SUNY Fashion Inst Tech	195	0	0	194	0	0	0	0	0	0	0	1
SUNY Fulton Mont Cmty Col	1,044	0	0	0	1,044	0	0	0	0	0	0	0
SUNY Genesee Cmty College	2,343	0	0	0	2,343	0	0	0	0	0	0	0
SUNY Herkimer Co Cmty Col	1,429	0	0	0	1,429	0	0	0	0	0	0	0
SUNY Hudson Val Cmty Col	2,123	0	0	0	2,123	0	0	0	0	0	0	0
SUNY Jamestown Cmty Col	2,502	0	0	0	2,502	0	0	0	0	0	0	0
SUNY Jefferson Cmty Col	1,133	0	0	0	1,133	0	0	0	0	0	0	0
SUNY Maritime College	28	0	0	0	28	0	0	0	0	0	0	0
SUNY Mohawk Val Cmty Col	3,576	0	0	0	3,576	0	0	0	0	0	0	0
SUNY Monroe Cmty College	4,403	0	0	0	4,403	0	0	0	0	0	0	0
SUNY Nassau Cmty College	2,926	0	0	0	2,926	0	0	0	0	0	0	0
SUNY Niagara Cty Cmty Col	3,174	0	0	0	3,174	0	0	0	0	0	0	0
SUNY North Cntry Cmty Col	1,407	0	0	0	1,407	0	0	0	0	0	0	0
SUNY Onondaga Cmty Col	2,294	0	0	0	2,294	0	0	0	0	0	0	0
SUNY Orange Cnty Cmty Col	1,139	0	0	0	1,139	0	0	0	0	0	0	0
SUNY Rockland Cmty Col	2,672	0	0	0	2,672	0	0	0	0	0	0	0
SUNY Schenectady Cnty CC	1,134	0	0	0	1,134	0	0	0	0	0	0	0
SUNY St Col of Optometry	428	0	0	0	130	0	0	298	0	0	0	0
SUNY Suffolk Co Cmty Col	4,037	0	0	0	4,037	0	0	0	0	0	0	0
SUNY Sullivan Co Cmty Col	1,239	0	0	0	1,239	0	0	0	0	0	0	0
SUNY System Office	47,828	190	2,058	0	43,818	0	800	549	0	0	413	0
SUNY Tompkins Cortland CC	1,528	0	0	0	1,528	0	0	0	0	0	0	0
SUNY Ulster Cnty Cmty Col	1,443	0	0	0	1,443	0	0	0	0	0	0	0
SUNY Westchester Cmty Col	1,609	0	0	0	1,375	0	220	0	0	0	14	0
Talmudical Inst Ohol Tora	80	0	0	0	80	0	0	0	0	0	0	0
Talmudical Inst Upst N Y	27	0	0	0	27	0	0	0	0	0	0	0
The Briarcliffe School	304	0	0	0	304	0	0	0	0	0	0	0
Tobe-Coburn Sch Fash Car	221	0	0	0	221	0	0	0	0	0	0	0
Touro College	5,703	0	0	0	5,703	0	0	0	0	0	0	0
Trocaire College	1,033	0	0	0	1,033	0	0	0	0	0	0	0
Un of NY Regents Col Deg	361	0	0	0	14	0	19	0	0	0	328	0
Union College (NY)	1,751	0	0	0	832	0	0	121	0	36	76	0
Union Theol Seminary (NY)	91	0	0	0	91	0	0	0	0	0	0	0
University of Rochester	111,435	0	0	6,720	3,755	17,217	0	74,481	0	195	9,067	0
Vassar College	2,175	0	0	0	1,514	0	0	397	0	0	264	0
Villa Maria Col Buffalo	454	0	0	0	454	0	0	0	0	0	0	0
Wadhams Hall	30	0	0	0	30	0	0	0	0	0	0	0
Wagner College	848	0	0	0	815	0	0	33	0	0	0	0
Wells College	425	0	0	0	418	0	0	0	0	0	7	0
Westchester Business Col	974	0	0	0	974	0	0	0	0	0	0	0
Wood School	564	0	0	0	564	0	0	0	0	0	0	0
Yeshiva Derech Chaim	73	0	0	0	73	0	0	0	0	0	0	0
Yeshiva Karlin Stolin	73	0	0	0	73	0	0	0	0	0	0	0
Yeshiva Shaar Hatorah-Grd	26	0	0	0	26	0	0	0	0	0	0	0
Yeshiva University	77,490	0	0	176	1,835	0	0	75,082	0	0	397	0
Yeshivat Mikdash Melech	22	0	0	0	22	0	0	0	0	0	0	0
Yeshivath Vizhitz	429	0	0	0	429	0	0	0	0	0	0	0
Yeshivath Zichron Moshe	164	0	0	0	164	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
North Carolina, total	473,274	27,537	1,692	20,438	136,943	6,722	7,673	229,143	449	7,291	30,795	4,591
Alamance Community Col	244	0	0	0	244	0	0	0	0	0	0	0
Anson Technical College	266	0	0	0	266	0	0	0	0	0	0	0
Appalachian St University	3,922	0	0	0	3,668	0	114	125	0	0	15	0
Ashvl Buncombe Tech Col	274	0	0	0	274	0	0	0	0	0	0	0
Atlantic Christian Col	1,126	0	0	0	1,126	0	0	0	0	0	0	0
Barber-Scotia College	1,381	0	0	0	1,381	0	0	0	0	0	0	0
Beaufort County Cmty Col	451	0	0	0	451	0	0	0	0	0	0	0
Belmont Abbey College	445	0	0	0	445	0	0	0	0	0	0	0
Bennett College (NC)	4,772	0	0	0	4,526	14	0	229	0	0	0	3
Bladen Technical Inst	152	0	0	0	152	0	0	0	0	0	0	0
Blanton's College	248	0	0	0	248	0	0	0	0	0	0	0
Blue Ridge Technical Col	240	0	0	0	190	0	0	0	0	0	50	0
Brevard College	403	0	0	0	403	0	0	0	0	0	0	0
Brunswick Technical Coll	193	0	0	0	193	0	0	0	0	0	0	0
Campbell University	1,367	5	0	0	1,279	0	0	83	0	0	0	0
Cape Fear Technical Inst	335	0	0	0	335	0	0	0	0	0	0	0
Carteret Tech College	203	0	0	0	203	0	0	0	0	0	0	0
Catawba College	567	0	0	0	567	0	0	0	0	0	0	0
Cecils Junior College	215	0	0	0	215	0	0	0	0	0	0	0
Central Carolina Tech Col	328	0	0	0	328	0	0	0	0	0	0	0
Central Piedmont Cmty Col	1,866	0	0	0	1,866	0	0	0	0	0	0	0
Chowan College	1,104	0	0	0	1,104	0	0	0	0	0	0	0
Cleveland Technical Col	106	0	0	0	106	0	0	0	0	0	0	0
Coastal Carolina Cmty Col	538	0	0	0	538	0	0	0	0	0	0	0
College of the Albemarle	615	0	0	0	615	0	0	0	0	0	0	0
Craven Community College	592	0	0	0	592	0	0	0	0	0	0	0
Davidson College	381	0	0	0	369	0	0	0	0	0	12	0
Davidson County Cmty Col	297	0	0	0	297	0	0	0	0	0	0	0
Duke University	122,679	276	0	6,031	3,208	3,824	2,109	95,803	0	763	10,665	0
Durham Technical Inst	245	0	0	0	245	0	0	0	0	0	0	0
East Carolina University	8,876	0	0	554	4,830	0	0	3,309	0	99	84	0
East Coast Bible College	177	0	0	0	177	0	0	0	0	0	0	0
Edgecombe Technical Coll	301	0	0	0	301	0	0	0	0	0	0	0
Elizabeth City State Univ	3,715	0	0	0	3,699	0	0	0	0	0	16	0
Elon College	1,110	0	0	0	1,110	0	0	0	0	0	0	0
Fayetteville State Univ	4,747	0	0	0	4,371	0	0	376	0	0	0	0
Fayetteville Tech Inst	1,080	0	0	0	1,080	0	0	0	0	0	0	0
Forsyth Technical Col	418	0	0	0	418	0	0	0	0	0	0	0
Gardner-Webb College	1,372	0	0	0	1,372	0	0	0	0	0	0	0
Gaston College	378	0	0	0	378	0	0	0	0	0	0	0
Greensboro College	573	0	0	0	573	0	0	0	0	0	0	0
Guilford College	985	0	0	0	985	0	0	0	0	0	0	0
Guilford Technical Inst	564	0	0	0	552	0	0	0	0	0	12	0
Halifax Cmty College	743	0	0	0	743	0	0	0	0	0	0	0
Hardbarger J Col of Bus	1,738	0	0	0	1,738	0	0	0	0	0	0	0
Haywood Technical Inst	160	0	0	0	160	0	0	0	0	0	0	0
Isothermal Community Col	385	0	0	0	385	0	0	0	0	0	0	0
James Sprunt Technical C	395	0	0	0	395	0	0	0	0	0	0	0
John Wesley Col (NC)	31	0	0	0	31	0	0	0	0	0	0	0
Johnson C Smith Univ	3,190	0	0	0	2,810	0	0	380	0	0	0	0
Johnston Technical Col	374	0	0	0	374	0	0	0	0	0	0	0
Lees-McRae College	468	0	0	0	468	0	0	0	0	0	0	0
Lenoir Community College	623	0	0	0	623	0	0	0	0	0	0	0
Lenoir-Rhyne College	837	0	0	0	811	0	0	0	0	0	26	0
Livingstone College	1,551	0	0	0	1,551	0	0	0	0	0	0	0
Louisburg College	474	0	0	0	474	0	0	0	0	0	0	0
Mars Hill College	1,241	0	0	0	1,241	0	0	0	0	0	0	0
Martin Community College	192	0	0	0	192	0	0	0	0	0	0	0
McDowell Tech Comm Col	469	0	0	0	469	0	0	0	0	0	0	0
Meredith College	550	0	0	0	512	0	0	0	0	0	38	0
Methodist College	954	0	0	0	954	0	0	0	0	0	0	0
Mitchell Community Col	1	0	0	0	1	0	0	0	0	0	0	0
Montgomery Tech Inst	131	0	0	0	131	0	0	0	0	0	0	0
Montreat-Anderson College	332	0	0	0	332	0	0	0	0	0	0	0
Mount Olive College	422	0	0	0	422	0	0	0	0	0	0	0
N C State Univ at Raleigh	64,808	22,323	1,340	8,303	6,694	1,671	2,851	4,828	391	3,647	9,019	3,741
Nash Technical Institute	295	0	0	0	295	0	0	0	0	0	0	0
North Caro Wesleyan Col	528	0	0	0	528	0	0	0	0	0	0	0
North Carolina Cntrl Univ	5,790	0	0	266	4,902	0	0	582	0	0	40	0
NC Ag & Tech State Univ	16,114	4,582	0	1,568	6,383	209	18	676	58	1,678	881	61
Peace College	121	0	0	0	121	0	0	0	0	0	0	0
Pembroke State University	1,775	0	0	0	1,626	0	0	149	0	0	0	0
Pfeiffer College	451	0	0	0	451	0	0	0	0	0	0	0
Piedmont Bible Col	203	0	0	0	203	0	0	0	0	0	0	0
Piedmont Technical Col	458	0	0	0	458	0	0	0	0	0	0	0
Pitt Community College	835	0	0	0	835	0	0	0	0	0	0	0
Queens College	269	0	0	0	269	0	0	0	0	0	0	0
Richmond Technical Col	277	0	0	0	277	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
North Carolina, cont'd												
Roanoke Bible College	72	0	0	0	72	0	0	0	0	0	0	0
Roanoke-Chowan Tech Inst	591	0	0	0	591	0	0	0	0	0	0	0
Robeson Technical College	316	0	0	0	316	0	0	0	0	0	0	0
Rockingham Community Col	236	0	0	0	236	0	0	0	0	0	0	0
Rowan Technical College	152	0	0	0	152	0	0	0	0	0	0	0
Rutledge C of Greensboro	382	0	0	0	382	0	0	0	0	0	0	0
Rutledge C(Winston-Salem)	64	0	0	0	64	0	0	0	0	0	0	0
Rutledge Col of Durham	721	0	0	0	721	0	0	0	0	0	0	0
Rutledge Coll(Charlotte)	1,955	0	0	0	1,955	0	0	0	0	0	0	0
Rutledge College-Fayettevil	1,013	0	0	0	1,013	0	0	0	0	0	0	0
Rutledge College-Raleigh	1,506	0	0	0	1,506	0	0	0	0	0	0	0
Salem College	187	0	0	0	187	0	0	0	0	0	0	0
Sampson Tech Inst	388	0	0	0	388	0	0	0	0	0	0	0
Sandhills Community Col	320	0	0	0	320	0	0	0	0	0	0	0
Shaw University	6,934	0	0	0	6,785	0	0	149	0	0	0	0
Southeastrn Cmty Col (NC)	792	0	0	0	792	0	0	0	0	0	0	0
Southwestern Tech College	337	0	0	0	337	0	0	0	0	0	0	0
St Andrews Presby Col	573	0	0	0	543	0	0	0	0	0	30	0
St Augustines College	5,095	0	0	90	4,919	0	0	36	0	0	50	0
St Mary's College	37	0	0	0	37	0	0	0	0	0	0	0
Stanly Technical College	403	0	0	0	403	0	0	0	0	0	0	0
Surry Community College	508	0	0	0	508	0	0	0	0	0	0	0
Univ of N C at Asheville	972	3	0	0	884	0	0	0	0	0	85	0
Univ of N C at Charlotte	5,799	0	0	0	4,278	87	2	112	0	159	1,161	0
Univ of N C at Greensboro	5,074	0	52	21	3,586	0	0	915	0	0	500	0
Univ of N C at Wilmington	118	0	0	0	0	0	0	0	0	0	118	0
Univ of N C Sys Off	11,517	106	0	0	10,625	0	0	0	0	0	0	786
Univ of NC at Chapel Hill	105,873	240	205	3,605	0	877	2,579	90,392	0	628	7,347	0
Vance-Granville Cmty Coll	454	0	0	0	454	0	0	0	0	0	0	0
Wake Forest University	32,460	0	0	0	1,432	40	0	30,080	0	317	591	0
Wake Technical College	343	0	0	0	308	0	0	0	0	0	35	0
Warren Wilson College	503	0	0	0	503	0	0	0	0	0	0	0
Wayne Community College	662	0	0	0	662	0	0	0	0	0	0	0
Western Carolina Univ	3,533	2	95	0	3,436	0	0	0	0	0	0	0
Western Piedmont Cmty Col	632	0	0	0	457	0	0	155	0	0	20	0
Wilkes Community College	455	0	0	0	455	0	0	0	0	0	0	0
Wilson Tech Comm Col	529	0	0	0	529	0	0	0	0	0	0	0
Wingate College	782	0	0	0	782	0	0	0	0	0	0	0
Winston-Salem State Univ	3,950	0	0	0	3,186	0	0	764	0	0	0	0
North Dakota, total	56,232	14,851	116	307	31,521	1,950	553	3,544	2,147	111	528	604
Bismarck Junior College	1,735	0	0	0	1,735	0	0	0	0	0	0	0
Dickinson State College	1,626	1	0	0	1,625	0	0	0	0	0	0	0
Fort Bathold Cmty College	261	0	0	0	0	0	0	0	261	0	0	0
Jamestown College	1,232	0	0	0	1,232	0	0	0	0	0	0	0
Lake Region Cmty Col	756	0	0	0	756	0	0	0	0	0	0	0
Little Hoop Com Col	503	0	0	0	301	0	0	0	202	0	0	0
Mayville State College	806	0	0	0	806	0	0	0	0	0	0	0
Minot State College	2,822	0	0	0	2,822	0	0	0	0	0	0	0
N Dak State School Sci	2,244	0	0	0	2,244	0	0	0	0	0	0	0
North Dakota State Univ	18,072	9,586	85	307	6,633	0	0	443	150	0	284	604
Standing Rock College	1,093	0	0	0	565	0	0	0	528	0	0	0
Trinity Bible Institute	787	0	0	0	787	0	0	0	0	0	0	0
Turtle Mountain Comm Col	629	0	0	0	0	0	0	0	629	0	0	0
University of Mary	1,581	0	0	0	1,521	0	0	60	0	0	0	0
University of N Dakota	20,860	5,284	31	0	9,269	1,950	553	3,041	377	111	244	0
Valley City State College	1,225	0	0	0	1,225	0	0	0	0	0	0	0
Ohio, total	471,779	19,436	1,160	36,392	199,463	5,297	2,823	147,688	402	20,838	27,759	10,521
A.T.E.S. Technical School	89	0	0	0	89	0	0	0	0	0	0	0
Antioch University	2,677	0	0	0	2,677	0	0	0	0	0	0	0
Art Academy of Cincinnati	116	0	0	0	116	0	0	0	0	0	0	0
Ashland University	2,289	0	0	0	2,289	0	0	0	0	0	0	0
Baldwin-Wallace College	2,325	0	0	0	2,308	0	0	0	0	0	17	0
Belmont Technical College	1,278	0	0	0	1,227	0	0	0	0	0	51	0
Bluffton College	484	0	0	0	484	0	0	0	0	0	0	0
Bowling Green State Univ	8,046	0	14	56	6,982	42	0	439	0	0	513	0
Bryant & Stratton Bus In	431	0	0	0	431	0	0	0	0	0	0	0
Capital University	1,389	0	0	0	1,389	0	0	0	0	0	0	0
Case Western Reserve Univ	79,997	0	56	3,602	3,618	510	0	59,774	0	6,744	5,013	680
Cedarville College	725	0	0	0	725	0	0	0	0	0	0	0
Central Ohio Tech Col	913	0	0	0	913	0	0	0	0	0	0	0
Central State University	333	0	0	214	0	13	0	106	0	0	0	0
Chatfield College	82	0	0	0	82	0	0	0	0	0	0	0
Cincinnati Bible Seminary	484	0	0	0	484	0	0	0	0	0	0	0
Cincinnati C of Mort Sci	26	0	0	0	26	0	0	0	0	0	0	0
Cincinnati Technical Inst	1,064	0	0	0	947	0	0	117	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Ohio, cont'd												
Circleville Bible College	241	0	0	0	241	0	0	0	0	0	0	0
Clark Technical College	1,024	0	0	0	1,024	0	0	0	0	0	0	0
Cleveland State Univ	9,845	2	100	0	5,858	0	0	896	0	2,857	132	0
Col Mt St Joseph-on-Ohio	763	0	0	0	746	0	0	0	0	0	17	0
College of Wooster	1,157	0	0	0	984	0	0	25	0	0	148	0
Columbus Col Art & Design	824	0	0	0	824	0	0	0	0	0	0	0
Columbus Technical Inst	2,662	0	0	0	2,662	0	0	0	0	0	0	0
Cuyahoga Cmty Col Dist	9,357	0	0	0	9,185	0	0	0	0	28	144	0
Cuyahoga Com Col-West Cam	95	0	0	0	0	0	0	95	0	0	0	0
Davis Junior College	270	0	0	0	270	0	0	0	0	0	0	0
Defiance College	717	0	0	0	717	0	0	0	0	0	0	0
Denison University	906	0	0	0	863	43	0	0	0	0	0	0
Dyke College	1,355	0	0	0	1,355	0	0	0	0	0	0	0
Electronic Tech Inst-Ohio	717	0	0	0	717	0	0	0	0	0	0	0
Franciscan U Steubenville	1,035	0	0	0	1,035	0	0	0	0	0	0	0
Franklin University	862	0	0	0	862	0	0	0	0	0	0	0
God's Bible School & Col	240	0	0	0	240	0	0	0	0	0	0	0
Hebrew Union Col-Inst Rel	16	0	0	0	16	0	0	0	0	0	0	0
Heidelberg College	1,062	68	0	0	994	0	0	0	0	0	0	0
Hiram College	1,101	0	0	0	1,090	0	0	0	0	0	11	0
Hocking Technical College	150	0	0	0	0	0	0	150	0	0	0	0
ITT Tech Institute-Ohio	155	0	0	0	155	0	0	0	0	0	0	0
Jefferson Technical Col	724	0	0	0	724	0	0	0	0	0	0	0
John Carroll University	1,325	0	0	0	1,183	0	0	0	0	100	42	0
Kent State University	17,512	0	0	299	13,889	106	0	764	0	185	2,269	0
Kenyon College	512	0	0	0	330	0	0	96	0	0	86	0
Lake Erie College	190	0	0	0	190	0	0	0	0	0	0	0
Lakeland Community Col	1,132	0	0	0	1,132	0	0	0	0	0	0	0
Lima Technical College	1,532	0	0	0	1,532	0	0	0	0	0	0	0
Lorain County Cmty Col	1,320	0	0	0	1,320	0	0	0	0	0	0	0
Lourdes College	241	0	0	0	241	0	0	0	0	0	0	0
Malone College	953	0	0	0	953	0	0	0	0	0	0	0
Marietta College	1,152	0	0	0	1,115	0	0	0	0	0	37	0
Marion Technical College	752	0	0	0	752	0	0	0	0	0	0	0
Med Col of Ohio at Toledo	7,011	0	0	0	221	0	378	6,299	0	0	113	0
Methodist Theol Sch Ohio	36	0	0	0	36	0	0	0	0	0	0	0
Miami University (Ohio)	9,312	25	0	0	8,136	12	77	103	0	171	788	0
Michael J Owens Tech Col	2,307	0	0	0	2,307	0	0	0	0	0	0	0
Mount Union College	1,162	0	0	0	1,162	0	0	0	0	0	0	0
Mt Vernon Nazarene Col	1,022	0	0	0	1,022	0	0	0	0	0	0	0
Muskingum College	827	0	0	0	827	0	0	0	0	0	0	0
North Central Tech Col	772	0	0	0	737	0	0	0	0	0	35	0
Northwest Tech College	429	0	0	0	429	0	0	0	0	0	0	0
Notre Dame College (OH)	350	0	0	0	264	0	0	0	0	0	86	0
NE Ohio Univs Med School	1,085	0	0	48	87	0	0	950	0	0	0	0
Oberlin College	2,420	0	6	0	2,151	0	0	46	0	25	192	0
Ohio Col of Podiatric Med	51	0	0	0	0	0	0	51	0	0	0	0
Ohio Dominican College	726	0	0	0	726	0	0	0	0	0	0	0
Ohio Northern University	1,566	0	0	0	1,478	0	0	16	0	0	72	0
Ohio State University	105,318	19,121	724	4,945	17,129	3,440	438	33,560	402	5,395	12,744	7,420
Ohio University	16,347	0	0	634	10,734	376	0	1,528	0	286	431	2,358
Ohio Wesleyan University	1,407	0	0	95	1,178	0	0	0	0	0	134	0
Otterbein College	996	0	0	0	996	0	0	0	0	0	0	0
Pontifical Col Josephinum	93	0	0	0	93	0	0	0	0	0	0	0
Rabbinical Col of Telshe	171	0	0	0	171	0	0	0	0	0	0	0
Shawnee State Cmty Coll	2,921	0	0	0	2,921	0	0	0	0	0	0	0
Sinclair Community Col	107	0	0	0	0	0	0	81	0	0	26	0
Southern Ohio College	3,748	0	0	0	3,748	0	0	0	0	0	0	0
Stark Technical Institute	1,159	0	0	0	1,159	0	0	0	0	0	0	0
Sthrn St Gen Tech College	897	0	0	0	897	0	0	0	0	0	0	0
The University of Findlay	1,971	0	0	0	1,971	0	0	0	0	0	0	0
Tiffin University	456	0	0	0	456	0	0	0	0	0	0	0
Trinity Lutheran Seminary	120	0	0	0	120	0	0	0	0	0	0	0
Union Institute	380	0	0	0	380	0	0	0	0	0	0	0
United Theol Sem (OH)	97	0	0	0	97	0	0	0	0	0	0	0
University of Akron	13,197	10	0	83	10,085	120	73	622	0	1,238	966	0
University of Cincinnati	56,966	203	260	2,639	10,147	516	1,258	37,665	0	1,969	2,309	0
University of Dayton	26,128	0	0	22,119	3,444	0	200	0	0	67	235	63
University of Rio Grande	1,549	0	0	0	1,549	0	0	0	0	0	0	0
University of Toledo	10,302	0	0	0	7,904	119	122	709	0	1,038	410	0
Urbana University	1,306	0	0	0	1,306	0	0	0	0	0	0	0
Ursuline College	360	0	0	0	360	0	0	0	0	0	0	0
Virginia Marti Fash Inst	162	0	0	0	162	0	0	0	0	0	0	0
Walsh College	658	0	0	0	658	0	0	0	0	0	0	0
West Side Inst of Tech	452	0	0	0	452	0	0	0	0	0	0	0
Wilberforce University	3,717	0	0	0	3,703	0	14	0	0	0	0	0
Wilmington College	1,915	0	0	0	1,915	0	0	0	0	0	0	0
Wittenberg University	1,273	0	0	0	1,095	0	0	0	0	96	82	0
Wright State University	12,296	7	0	1,658	5,594	0	263	3,526	0	639	609	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 28 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Ohio, cont'd												
Xavier University	3,230	0	0	0	3,172	0	0	58	0	0	0	0
Youngstown C Bus & Draftg	138	0	0	0	138	0	0	0	0	0	0	0
Youngstown St University	8,219	0	0	0	8,160	0	0	12	0	0	47	0
Oklahoma, total	144,376	14,702	358	4,693	91,620	6,284	649	14,808	548	3,805	6,756	153
Bacone College	1,443	0	0	0	1,443	0	0	0	0	0	0	0
Bartlesville Wesleyan Col	465	0	0	0	465	0	0	0	0	0	0	0
Bethany Nazarene College	842	0	0	0	842	0	0	0	0	0	0	0
Cameron University	3,395	0	0	0	3,395	0	0	0	0	0	0	0
Carl Albert Junior Col	1,644	0	0	0	1,644	0	0	0	0	0	0	0
Central State Univ (OK)	4,431	0	0	0	4,431	0	0	0	0	0	0	0
Connors State College	1,977	0	0	0	1,977	0	0	0	0	0	0	0
East Central University	4,148	0	0	0	3,904	0	244	0	0	0	0	0
Eastern Okla State Col	1,136	0	0	0	1,136	0	0	0	0	0	0	0
El Reno Junior College	587	0	0	0	587	0	0	0	0	0	0	0
Flaming Rainbow Univ	249	0	0	0	249	0	0	0	0	0	0	0
Hillsdale F-W-Baptist Col	155	0	0	0	155	0	0	0	0	0	0	0
Langston University	5,936	2,532	0	0	3,272	16	0	116	0	0	0	0
Murray State College	1,185	7	0	0	1,178	0	0	0	0	0	0	0
Northeastern Okla A&M Col	1,932	0	0	0	1,932	0	0	0	0	0	0	0
Northeastern State Univ	7,323	0	0	0	7,285	0	0	38	0	0	0	0
Northern Oklahoma College	682	0	0	0	682	0	0	0	0	0	0	0
Northwestern Okla St Univ	1,131	0	0	0	1,131	0	0	0	0	0	0	0
Okla Col Osteo Med & Surg	1,719	0	0	0	337	0	0	1,382	0	0	0	0
Okla Panhandle State Univ	591	0	0	0	591	0	0	0	0	0	0	0
Oklahoma Baptist Univ	1,303	0	0	0	1,303	0	0	0	0	0	0	0
Oklahoma Christian Col	1,379	0	0	0	1,379	0	0	0	0	0	0	0
Oklahoma City University	953	0	0	0	953	0	0	0	0	0	0	0
Oklahoma State University	37,014	12,163	250	3,484	12,973	404	106	720	410	3,465	2,939	100
Oral Roberts University	4,387	0	0	0	4,249	0	90	48	0	0	0	0
OK City Community College	2,230	0	0	0	2,230	0	0	0	0	0	0	0
OK Junior Col Bus & Tech	3,075	0	0	0	3,075	0	0	0	0	0	0	0
Phillips University	782	0	0	0	782	0	0	0	0	0	0	0
Roger State College	2,315	0	0	0	2,315	0	0	0	0	0	0	0
Rose State College	1,895	0	0	0	1,765	0	130	0	0	0	0	0
Seminole Junior Col (OK)	835	0	0	0	835	0	0	0	0	0	0	0
Southeastern Okla St Univ	3,617	0	0	39	3,393	0	0	185	0	0	0	0
Southwestern Okla St Univ	3,477	0	0	0	3,470	0	0	0	0	0	7	0
Spartan Sch Aeronautics	87	0	0	0	87	0	0	0	0	0	0	0
St Gregorys College	222	0	0	0	222	0	0	0	0	0	0	0
SW Col of Christian Minis	175	0	0	0	175	0	0	0	0	0	0	0
Tulsa Junior College	2,797	0	0	0	2,557	0	0	240	0	0	0	0
University of Oklahoma	32,907	0	70	1,170	10,303	5,788	79	11,864	138	340	3,102	53
University of Tulsa	2,944	0	38	0	1,907	76	0	215	0	0	708	0
Westrn Oklahoma State Col	1,011	0	0	0	1,011	0	0	0	0	0	0	0
Oregon, total	214,173	20,351	2,672	8,881	77,932	26,652	1,506	51,190	1,839	3,241	18,845	1,064
Blue Mountain Cmty Col	831	0	0	0	831	0	0	0	0	0	0	0
Central Oregon Cmty Col	1,193	0	0	0	1,193	0	0	0	0	0	0	0
Chemeketa Community Col	3,284	0	0	0	3,284	0	0	0	0	0	0	0
Clackamas Community Col	1,813	0	0	0	1,813	0	0		0	0	0	0
Clatsop Community College	586	0	0	0	586	0	0	0	0	0	0	0
Columbia Christian Col	297	0	0	0	297	0	0	0	0	0	0	0
Concordia College (Ore)	419	0	0	0	419	0	0	0	0	0	0	0
Eastern Oregon St College	6,096	0	100	0	5,996	0	0	0	0	0	0	0
Eugene Bible College	149	0	0	0	149	0	0	0	0	0	0	0
George Fox College	1,000	0	0	0	1,000	0	0	0	0	0	0	0
ITT Technical Inst	253	0	0	0	253	0	0	0	0	0	0	0
Lane Community College	211	4	0	0	207	0	0	0	0	0	0	0
Lewis & Clark College	1,778	0	0	0	1,778	0	0	0	0	0	0	0
Linfield College	1,834	0	0	0	1,834	0	0	0	0	0	0	0
Linn Benton Community Col	3,171	0	0	0	3,081	0	90	0	0	0	0	0
Marylhurst Education Ctr	333	0	0	0	333	0	0	0	0	0	0	0
Mt Angel Seminary	25	0	0	0	25	0	0	0	0	0	0	0
Mt Hood Community College	2,543	0	0	0	2,543	0	0	0	0	0	0	0
Multnomah School of Bible	527	0	0	0	527	0	0	0	0	0	0	0
Nat Col of Natur Medicine	104	0	0	0	104	0	0	0	0	0	0	0
Northwest Christian Col	186	0	0	0	186	0	0	0	0	0	0	0
Oregon Grad Inst Sci Tech	5,412	472	0	422	0	1,997	0	633	175	663	882	168
Oregon Hlth Sciences Univ	55,822	0	0	336	452	22,000	0	32,787	0	70	177	0
Oregon Institute of Tech	2,394	0	0	0	2,194	200	0	0	0	0	0	0
Oregon Polytechnic Inst	102	0	0	0	102	0	0	0	0	0	0	0
Oregon State University	64,527	19,864	2,508	6,279	8,727	1,271	1,416	8,088	1,603	2,078	11,799	894
Pacific NW College of Art	488	0	0	0	488	0	0	0	0	0	0	0
Pacific University	1,543	0	0	0	1,524	0	0	19	0	0	0	0
Portland Community Col	5,912	0	0	0	5,912	0	0	0	0	0	0	0
Portland State University	9,934	9	27	50	8,010	201	0	489	61	163	924	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Oregon, cont'd												
Reed College	1,313	0	0	0	851	10	0	185	0	0	267	0
Rogue Community College	1,889	0	0	0	1,889	0	0	0	0	0	0	0
Southern Oregon St Col	3,473	0	0	0	3,402	0	0	0	0	0	71	0
Southwestern Oreg Cmty Col	721	0	0	0	707	0	0	0	0	0	12	2
Treasure Valley Cmty Col	488	0	0	0	488	0	0	0	0	0	0	0
Umpqua Community College	880	0	0	0	880	0	0	0	0	0	0	0
University of Oregon Main	24,480	2	37	1,794	7,922	973	0	8,989	0	267	4,496	0
University of Portland	1,726	0	0	0	1,509	0	0	0	0	0	217	0
Warner Pacific College	551	0	0	0	551	0	0	0	0	0	0	0
Western Baptist College	362	0	0	0	362	0	0	0	0	0	0	0
Western Oregon State Coll	3,687	0	0	0	3,687	0	0	0	0	0	0	0
Willamette University	1,448	0	0	0	1,448	0	0	0	0	0	0	0
Wstrn States Chioprctc C	388	0	0	0	388	0	0	0	0	0	0	0
Pennsylvania, total	779,823	21,398	912	98,273	242,763	25,532	2,725	297,386	6,377	15,110	66,755	2,592
Albright College	593	0	0	0	593	0	0	0	0	0	0	0
Allegheny College	1,210	0	0	0	1,148	0	0	0	0	0	62	0
Allentown C St Fr Desales	670	0	0	0	670	0	0	0	0	0	0	0
Alvernia College	403	0	0	0	403	0	0	0	0	0	0	0
American Inst Drafting	352	0	0	0	352	0	0	0	0	0	0	0
Art Inst Philadelphia	879	0	0	0	879	0	0	0	0	0	0	0
Art Inst Pittsburgh	1,879	0	0	0	1,879	0	0	0	0	0	0	0
Baptist Bible Col of PA	409	0	0	0	409	0	0	0	0	0	0	0
Beaver College	352	0	0	0	352	0	0	0	0	0	0	0
Bloomsburg Univ of Penn	3,792	0	0	0	3,696	0	0	47	0	0	49	0
Bryn Mawr College	1,294	0	0	0	817	0	0	366	0	0	111	0
Bucknell University	1,318	38	0	0	972	0	0	67	0	0	241	0
Bucks County Cmty Col	1,857	0	0	0	1,857	0	0	0	0	0	0	0
Butler County Cmty Col	981	0	0	0	981	0	0	0	0	0	0	0
Cabrini College	529	0	0	0	477	0	0	0	0	0	52	0
California Univ of Penn	4,760	0	0	0	4,760	0	0	0	0	0	0	0
Carlow College	758	0	0	0	758	0	0	0	0	0	0	0
Carnegie-Mellon Univ	64,642	0	27	26,666	4,496	4,050	340	7,607	446	3,697	17,313	0
Cedar Crest College	407	0	0	0	407	0	0	0	0	0	0	0
Chatham College	684	0	0	0	684	0	0	0	0	0	0	0
Chestnut Hill College	337	0	0	0	337	0	0	0	0	0	0	0
Cheyney Univ of Penn	2,604	0	0	0	2,604	0	0	0	0	0	0	0
Clarion Univ of Penn	10,745	0	0	0	10,745	0	0	0	0	0	0	0
Cmty Col of Beaver County	1,718	0	0	0	1,718	0	0	0	0	0	0	0
Cmty Col of Philadelphia	9,364	0	0	0	9,363	0	0	0	0	0	0	1
Cmty Col Allegheny County	8,185	0	0	0	8,185	0	0	0	0	0	0	0
College Misericordia	832	0	0	0	822	0	0	10	0	0	0	0
Combs Col of Music	17	0	0	0	17	0	0	0	0	0	0	0
Dean Institute of Tech	79	0	0	0	79	0	0	0	0	0	0	0
Delaware County Cmty Col	1,294	0	0	0	1,294	0	0	0	0	0	0	0
Dickinson College	1,029	0	0	0	1,000	0	0	0	0	0	29	0
Dickinson School of Law	80	0	0	0	80	0	0	0	0	0	0	0
Drexel University	15,613	100	50	1,620	3,282	5,960	428	1,359	30	651	2,133	0
Duquesne University	3,137	0	0	0	2,952	0	0	120	0	0	65	0
East Stroudsburg U of PA	1,844	0	0	0	1,844	0	0	0	0	0	0	0
Eastern Baptist Theol Sem	14	0	0	0	14	0	0	0	0	0	0	0
Eastern College	686	0	0	0	686	0	0	0	0	0	0	0
Edinboro Univ of Penn	4,325	0	0	0	4,240	0	0	85	0	0	0	0
Electronic Insts-Pitts	257	0	0	0	257	0	0	0	0	0	0	0
Elizabethtown College	597	0	0	0	597	0	0	0	0	0	0	0
Franklin & Marshall Col	1,140	0	0	0	714	0	0	238	0	0	188	0
Gannon University	2,534	0	0	0	2,507	0	0	0	0	0	27	0
Geneva College	986	0	0	0	986	0	0	0	0	0	0	0
Gettysburg College	642	0	0	0	606	0	0	0	0	0	36	0
Gwynedd-Mercy College	663	0	0	0	525	0	0	138	0	0	0	0
Hahnemann University	10,418	0	0	380	1,027	0	0	8,964	0	0	47	0
Harcum Junior College	731	0	0	0	686	0	0	45	0	0	0	0
Harrisburg Area Cmty Col	1,244	0	0	0	1,244	0	0	0	0	0	0	0
Haverford College	697	0	0	0	372	0	0	0	0	0	325	0
Holy Family College	522	0	0	0	522	0	0	0	0	0	0	0
Immaculata College	386	0	0	0	386	0	0	0	0	0	0	0
Indiana Univ of Penn	1,314	0	0	0	678	0	0	23	0	0	97	516
Juniata College	835	0	0	0	597	0	0	0	0	0	238	0
Keystone Junior College	683	0	0	0	683	0	0	0	0	0	0	0
King's College (PA)	1,252	0	0	0	1,233	0	0	0	0	0	19	0
Kutztown Univ of Penn	2,341	0	0	0	2,240	0	37	0	0	0	64	0
La Roche College	672	0	0	0	672	0	0	0	0	0	0	0
La Salle University	1,907	0	0	0	1,738	0	0	169	0	0	0	0
Lackawanna Junior College	516	0	0	0	516	0	0	0	0	0	0	0
Lafayette College	593	0	0	0	444	0	0	0	0	0	149	0
Lancaster Bible College	284	0	0	0	284	0	0	0	0	0	0	0
Lebanon Valley College	583	0	0	0	475	0	0	0	0	0	108	0
Lehigh County Cmty Col	652	0	0	0	652	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

(Page 30 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Pennsylvania, cont'd												
Lehigh University	12,112	0	247	2,638	1,584	1,633	106	879	0	278	4,747	0
Lincoln University (PA)	3,441	0	0	375	2,345	0	0	500	0	140	81	0
Lock Haven Univ of Penn	833	0	0	0	833	0	0	0	0	0	0	0
Lutheran Theological Sem	13	0	0	0	13	0	0	0	0	0	0	0
Luzerne County Cmty Col	1,945	0	0	0	1,945	0	0	0	0	0	0	0
Lycoming College	612	0	0	0	612	0	0	0	0	0	0	0
Manor Junior College	180	0	0	0	180	0	0	0	0	0	0	0
Mansfield Univ of Penn	6	0	0	0	0	0	0	0	0	0	6	0
Marywood College	1,116	0	0	0	1,116	0	0	0	0	0	0	0
McCarrie Sch Hlth Sci Tec	599	0	0	0	599	0	0	0	0	0	0	0
Marcyhurst College	1,442	0	0	0	1,442	0	0	0	0	0	0	0
Messiah College	1,338	0	0	0	1,305	0	0	0	0	0	33	0
Millersville Univ of Penn	2,315	0	0	0	2,226	0	0	0	0	0	89	0
Montgomery Cnty Comm Col	615	0	0	0	615	0	0	0	0	0	0	0
Moore Col of Art & Design	523	0	0	0	523	0	0	0	0	0	0	0
Moravian College	544	0	0	0	520	0	0	0	0	0	24	0
Mount Aloysius Junior Col	1,012	0	0	0	1,012	0	0	0	0	0	0	0
Muhlenberg College	529	0	0	0	529	0	0	0	0	0	0	0
Naumann College	371	0	0	0	371	0	0	0	0	0	0	0
Northampton Cnty Cmty Col	2,502	0	0	0	2,502	0	0	0	0	0	0	0
Northeastn Christn Jr Col	299	0	0	0	299	0	0	0	0	0	0	0
O.S. Johnson Sch Tech	227	0	0	0	227	0	0	0	0	0	0	0
Peirce Jr College	964	0	0	0	964	0	0	0	0	0	0	0
Penn Col of Podiatric Med	872	0	0	0	369	0	0	503	0	0	0	0
Penn Technical Institute	228	0	0	0	228	0	0	0	0	0	0	0
Pennco Tech	349	0	0	0	349	0	0	0	0	0	0	0
Pennsylvania Col of Tech	2,692	0	0	0	2,692	0	0	0	0	0	0	0
Pennsylvania Col Optomet	1,667	0	0	0	1,277	0	0	390	0	0	0	0
Pennsylvania Inst of Tech	234	0	0	0	234	0	0	0	0	0	0	0
Pennsylvania State Univ	166,581	19,669	425	51,110	31,597	4,417	656	29,060	5,670	8,406	13,928	1,643
Phila Col of Pharm & Sci	527	0	0	50	0	0	0	477	0	0	0	0
Phila Col Osteopathic Med	386	0	0	0	184	0	0	202	0	0	0	0
Philadelphia Col of Bible	372	0	0	0	372	0	0	0	0	0	0	0
Pinebrook Junior College	137	0	0	0	137	0	0	0	0	0	0	0
Point Park College	1,808	0	0	0	1,808	0	0	0	0	0	0	0
Reading Area CC	1,533	0	0	0	1,457	0	0	76	0	0	0	0
Robert Morris College	2,349	0	0	0	2,349	0	0	0	0	0	0	0
Rosemont College	199	0	0	0	199	0	0	0	0	0	0	0
Seton Hill College	1,259	0	0	0	1,212	0	0	0	0	0	47	0
Shippensburg Univ of Penn	2,415	0	0	0	2,415	0	0	0	0	0	0	0
Slippery Rock Univ of PA	4,548	0	0	0	4,548	0	0	0	0	0	0	0
Spring Garden College	341	0	0	0	341	0	0	0	0	0	0	0
St Charles Borromeo Sem	46	0	0	0	46	0	0	0	0	0	0	0
St Francis College	1,187	0	0	0	1,137	0	0	50	0	0	0	0
St Joseph's University	1,280	0	0	0	1,119	0	0	112	0	0	49	0
St Vincent Col and Sem	1,045	0	0	0	1,045	0	0	0	0	0	0	0
Susquehanna University	621	0	0	0	621	0	0	0	0	0	0	0
Swarthmore College	1,509	0	0	0	818	0	0	0	0	22	669	0
T Stevens St Sch of Tech	30	0	0	0	30	0	0	0	0	0	0	0
Temple University	39,562	230	0	675	14,757	610	23	21,934	0	45	1,288	0
The Medical Col of Penna	11,026	0	0	311	297	0	0	10,362	0	0	56	0
Thiel College	726	0	0	0	726	0	0	0	0	0	0	0
Thomas Jefferson Univ	23,169	0	0	1,002	1,542	0	0	20,385	0	0	240	0
Triangle Tech, Inc.	1,369	0	0	0	1,369	0	0	0	0	0	0	0
United Wesleyan College	197	0	0	0	197	0	0	0	0	0	0	0
Univ of Pennsylvania	158,337	1,259	0	8,535	11,793	6,860	12	112,829	0	459	16,158	432
University of Pittsburgh	114,798	100	163	4,202	18,810	2,002	1,113	79,652	0	1,269	7,487	0
University of Scranton	1,896	0	0	0	1,882	0	0	0	0	0	14	0
Ursinus College	534	0	0	0	489	0	0	0	0	0	45	0
Vale Technical Institute	67	0	0	0	67	0	0	0	0	0	0	0
Valley Forge Christ Col	413	0	0	0	413	0	0	0	0	0	0	0
Valley Forge Milit Jr Col	79	0	0	0	79	0	0	0	0	0	0	0
Villa Maria College	480	0	0	0	462	0	0	18	0	0	0	0
Villanova University	3,430	0	0	0	2,150	0	10	504	231	143	392	0
Washington & Jefferson Col	742	0	0	0	742	0	0	0	0	0	0	0
Waynesburg College	1,288	0	0	0	1,288	0	0	0	0	0	0	0
West Chester Univ of Penn	3,122	0	0	0	3,010	0	0	112	0	0	0	0
Westminster College (PA)	823	0	0	0	823	0	0	0	0	0	0	0
Westmoreland Cnty Cmty C	2,122	0	0	0	2,122	0	0	0	0	0	0	0
Widener University	2,121	2	0	0	1,996	0	0	103	0	0	20	0
Wilkes University	2,555	0	0	709	1,817	0	0	0	0	0	29	0
Wilson College	135	0	0	0	135	0	0	0	0	0	0	0
York College of Penn	958	0	0	0	958	0	0	0	0	0	0	0
Rhode Island, total	78,324	2,436	1,354	10,252	24,972	2,640	774	18,454	606	1,424	15,031	381
Brown University	40,250	0	113	7,322	5,051	2,640	0	15,332	216	1,391	8,185	0
Bryant Col of Bus Admin	966	0	0	0	966	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: Fiscal year 1989

[Dollars in thousands]

(Page 31 of 38)

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Rhode Island, cont'd												
Cmty Col of Rhode Island	3,432	0	0	0	3,432	0	0	0	0	0	0	0
Johnson & Wales Univ	3,004	0	0	0	3,004	0	0	0	0	0	0	0
N Eng Inst of Technology	1,127	0	0	0	1,127	0	0	0	0	0	0	0
Providence College	1,728	0	0	0	1,728	0	0	0	0	0	0	0
Rhode Island College	3,787	0	0	0	3,742	0	0	20	0	0	25	0
Roger Williams College	720	0	0	0	720	0	0	0	0	0	0	0
Salve Regina College	450	0	0	0	450	0	0	0	0	0	0	0
Univ of Rhode Island	22,860	2,436	1,241	2,930	4,752	0	774	3,102	390	33	6,821	381
South Carolina, total	136,683	14,559	1,904	8,205	69,914	9,567	324	23,985	266	797	7,082	80
Aiken Technical College	429	0	0	0	429	0	0	0	0	0	0	0
Allen University	734	0	0	0	734	0	0	0	0	0	0	0
Anderson College	875	0	0	0	875	0	0	0	0	0	0	0
Baptist Col at Charleston	1,936	0	0	0	1,936	0	0	0	0	0	0	0
Beaufort Technical Col	1,592	0	0	0	1,592	0	0	0	0	0	0	0
Benedict College	4,757	0	100	0	4,093	0	12	552	0	0	0	0
Central Wesleyan College	497	0	0	0	497	0	0	0	0	0	0	0
Citadel Military Col S C	493	0	0	0	478	0	0	0	0	0	15	0
Claflin College	2,720	0	0	0	2,690	30	0	0	0	0	0	0
Clemson University	22,751	11,588	33	3,990	3,924	601	52	439	172	739	1,133	80
Coker College	536	0	0	0	536	0	0	0	0	0	0	0
College of Charleston	2,043	0	0	0	1,864	0	0	121	0	0	58	0
Columbia Bible Col	415	0	0	0	415	0	0	0	0	0	0	0
Columbia College	893	0	0	0	893	0	0	0	0	0	0	0
Converse College	387	0	0	0	387	0	0	0	0	0	0	0
Erskine College	358	0	0	0	310	0	0	0	0	0	48	0
Florence Darlington T C	983	0	0	0	983	0	0	0	0	0	0	0
Francis Marion College	1,670	0	0	0	1,644	0	0	0	0	0	26	0
Furman University	1,318	0	0	0	1,074	0	0	66	0	0	178	0
Greenville Tech College	2,172	0	0	0	1,901	54	0	217	0	0	0	0
Horry-Georgetown Tech Col	779	0	0	0	779	0	0	0	0	0	0	0
Lander College	1,313	0	0	0	1,313	0	0	0	0	0	0	0
Limestone College	492	0	0	0	492	0	0	0	0	0	0	0
Med Univ of So Carolina	22,555	0	0	0	619	8,080	0	13,260	0	0	676	0
Midlands Tech College	3,000	0	0	0	3,000	0	0	0	0	0	0	0
Morris College	2,735	0	0	0	2,735	0	0	0	0	0	0	0
Newberry College	660	0	0	0	625	0	0	0	0	0	35	0
North Greenville College	563	0	0	0	563	0	0	0	0	0	0	0
Orngbrg-Calhn Tech Ed Ctr	1,315	0	0	0	1,315	0	0	0	0	0	0	0
Piedmont Tech College	1,290	0	181	0	1,109	0	0	0	0	0	0	0
Presbyterian College	481	0	0	0	481	0	0	0	0	0	0	0
Rutledge College-Spartanbur	321	0	0	0	321	0	0	0	0	0	0	0
Rutledge College-Columbia	1,303	0	0	0	1,303	0	0	0	0	0	0	0
Rutledge College-Charleston	253	0	0	0	253	0	0	0	0	0	0	0
Sherman Col of Chiropract	167	0	0	0	167	0	0	0	0	0	0	0
South Carolina St College	10,201	2,971	0	0	6,676	136	0	156	0	0	262	0
Spartanburg Meth College	736	0	0	0	736	0	0	0	0	0	0	0
Spartanburg Tech College	813	0	0	0	813	0	0	0	0	0	0	0
Sumter Area Tech College	1,539	0	0	0	1,379	0	160	0	0	0	0	0
SC Sea Grant Consortium	90	0	90	0	0	0	0	0	0	0	0	0
Tri-County Tech College	1,219	0	0	0	1,219	0	0	0	0	0	0	0
Trident Technical College	6,332	0	0	3,500	2,803	0	0	0	0	0	29	0
Univ of South Carolina	24,794	0	1,500	715	8,037	683	100	9,040	94	58	4,567	0
Voorhees College	2,463	0	0	0	2,266	63	0	134	0	0	0	0
Williamsburg Tech College	172	0	0	0	172	0	0	0	0	0	0	0
Winthrop College	2,061	0	0	0	2,049	0	0	0	0	0	12	0
Wofford College	525	0	0	0	482	0	0	0	0	0	43	0
York Technical College	952	0	0	0	952	0	0	0	0	0	0	0
South Dakota, total	43,773	6,312	100	0	29,849	115	0	1,454	2,896	426	2,348	273
Augustana College	2,483	0	0	0	2,103	0	0	0	3	0	377	0
Black Hill State Univ	3,225	0	0	0	3,225	0	0	0	0	0	0	0
Cmty Col of N Ctrl U Ctr	238	0	0	0	238	0	0	0	0	0	0	0
Dakota State College	1,537	0	0	0	1,537	0	0	0	0	0	0	0
Dakota Wesleyan Univ	969	0	0	0	969	0	0	0	0	0	0	0
Huron University	210	0	0	0	210	0	0	0	0	0	0	0
Mount Marty College	919	0	0	0	905	0	0	14	0	0	0	0
National College	2,433	0	0	0	2,433	0	0	0	0	0	0	0
Northern State University	3,205	0	0	0	3,205	0	0	0	0	0	0	0
Oglala Lakota College	3,482	0	0	0	1,705	0	0	335	1,442	0	0	0
Presentation College	662	0	0	0	662	0	0	0	0	0	0	0
S Dak Sch Mines & Tech	2,294	0	0	0	0	115	0	0	138	354	1,687	0
Sinte Gleska College	1,621	0	0	0	831	0	0	77	713	0	0	0
Sioux Falls College	841	0	0	0	841	0	0	0	0	0	0	0
Sisseton-Wahpeton Cmty C	220	0	0	0	0	0	0	0	220	0	0	0
South Dakota State Univ	12,619	6,312	100	0	5,704	0	0	170	209	25	14	85
U of S D System Office	5,281	0	0	0	5,281	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
South Dakota, cont'd												
Univ of S Dak Springfield	157	0	0	0	0	0	0	0	157	0	0	0
Univ of South Dakota	1,377	0	0	0	0	0	0	858	14	47	270	188
Tennessee, total	253,637	18,831	77	4,538	106,194	5,435	998	100,594	841	4,086	11,583	460
Amer Baptist Theo Sem	218	0	0	0	218	0	0	0	0	0	0	0
Aquinas Junior College	144	0	0	0	144	0	0	0	0	0	0	0
Austin Peay State Univ	3,223	0	0	0	3,223	0	0	0	0	0	0	0
Belmont College	717	0	0	0	717	0	0	0	0	0	0	0
Bethel College (Tenn)	660	0	0	0	660	0	0	0	0	0	0	0
Bristol University	321	0	0	0	321	0	0	0	0	0	0	0
Bryan College	660	0	0	0	660	0	0	0	0	0	0	0
Carson-Newman College	1,376	0	0	0	1,368	0	0	0	0	0	8	0
Chattanooga St Tech CC	1,644	0	0	0	1,644	0	0	0	0	0	0	0
Christian Brothers Col	1,410	0	0	0	1,318	0	0	0	0	0	92	0
Cleveland State Cmty Col	1,167	0	0	0	1,167	0	0	0	0	0	0	0
Columbia State Cmty Col	646	0	0	0	646	0	0	0	0	0	0	0
Cumberland Col of Tenn	533	0	0	0	533	0	0	0	0	0	0	0
David Lipscomb University	608	0	0	0	608	0	0	0	0	0	0	0
Draughons Jr C-Knoxville	1,840	0	0	0	1,840	0	0	0	0	0	0	0
Draughons JC - Nashville	1,242	0	0	0	1,242	0	0	0	0	0	0	0
Dyersburg State Cmty Col	897	0	0	0	897	0	0	0	0	0	0	0
East Tennessee State Univ	8,361	0	0	0	5,847	13	318	1,502	0	0	681	0
Fisk University	2,766	0	0	0	1,990	0	190	307	0	129	0	150
Freed-Hardeman College	1,597	0	0	0	1,597	0	0	0	0	0	0	0
Hiwassee College	819	0	0	0	819	0	0	0	0	0	0	0
Jackson State Cmty Col	881	0	0	0	881	0	0	0	0	0	0	0
John A Gupton College	62	0	0	0	62	0	0	0	0	0	0	0
Knoxville College	3,669	0	0	0	3,669	0	0	0	0	0	0	0
Lambuth College	593	0	0	0	593	0	0	0	0	0	0	0
Lane College	2,581	0	0	0	2,448	0	0	133	0	0	0	0
Le Moyne-Owen College	3,678	0	0	0	3,678	0	0	0	0	0	0	0
Lee College (Tenn)	1,712	0	0	0	1,712	0	0	0	0	0	0	0
Lincoln Memorial Univ	1,738	0	0	0	1,738	0	0	0	0	0	0	0
Martin College	374	0	0	0	374	0	0	0	0	0	0	0
Maryville College	612	0	0	0	612	0	0	0	0	0	0	0
McKenzie College	585	0	0	0	585	0	0	0	0	0	0	0
Meharry Medical College	17,545	0	0	503	2,925	234	145	11,871	0	0	1,867	0
Memphis Academy of Arts	190	0	0	0	190	0	0	0	0	0	0	0
Memphis State University	8,161	0	77	164	5,421	0	75	1,287	175	58	694	210
Mid-South Bible College	386	0	0	0	386	0	0	0	0	0	0	0
Middle Tennessee St Univ	6,061	6	0	0	5,775	48	0	232	0	0	0	0
Milligan College	493	0	0	0	493	0	0	0	0	0	0	0
Morristown College	350	0	0	0	350	0	0	0	0	0	0	0
Motlow State Cmty College	1,166	0	0	0	1,166	0	0	0	0	0	0	0
OMore Sch Architec Inter	25	0	0	0	25	0	0	0	0	0	15	0
Rhodes College	584	0	0	0	569	0	0	0	0	0	0	0
Roane State Community Col	1 437	0	0	0	1,437	0	0	0	0	0	0	0
Rutledge College-Mem	133	0	0	0	133	0	0	0	0	0	0	0
Shelby State Cmty College	3,112	0	0	0	3,112	0	0	0	0	0	0	0
Southern Col of Optometry	451	0	0	0	408	0	0	43	0	0	0	0
Southern Col of 7-Day Adv	1,074	0	0	0	1,074	0	0	0	0	0	0	0
State Tech Inst Knoxville	1,021	0	0	0	1,021	0	0	0	0	0	0	0
State Tech Inst Memphis	1,649	0	0	0	1,649	0	0	0	0	0	0	0
Tenn Technological Univ	1,040	0	0	196	0	179	0	77	516	0	72	0
Tennessee Inst Electronic	72	0	0	0	72	0	0	0	0	0	0	0
Tennessee State Univ	14,032	3,612	0	168	7,991	14	0	2,093	0	154	0	0
Tennessee Temple Univ	1,348	0	0	0	1,348	0	0	0	0	0	0	0
Tennessee Wesleyan Col	470	0	0	0	470	0	0	0	0	0	0	0
Tomlinson College	406	0	0	0	406	0	0	0	0	0	0	0
Trevecca Nazarene College	823	0	0	0	785	0	0	38	0	0	0	0
Tusculum College	1,891	0	0	0	1,891	0	0	0	0	0	0	0
U Tenn - Memphis	18,853	2	0	269	224	0	0	18,179	0	0	179	0
U Tennessee Chattanooga	2,855	0	0	0	2,655	0	0	0	0	83	117	0
U Tennessee Knoxville	39,557	15,153	0	1,848	8,999	4,093	0	4,833	150	992	3,489	0
Union University	913	0	0	0	913	0	0	0	0	0	0	0
Univ of Tenn System Off	720	13	0	0	0	312	270	25	0	0	0	100
Univ Tennessee at Martin	2,900	0	0	0	2,740	0	0	0	0	0	160	0
University of the South	604	0	0	0	604	0	0	0	0	0	0	0
Vanderbilt University	74,100	45	0	1,390	5,270	542	0	59,974	0	2,670	4,209	0
Volunteer State Cmty Col	690	0	0	0	690	0	0	0	0	0	0	0
Walters State Comm Coll	1,191	0	0	0	1,191	0	0	0	0	0	0	0
Texas, total	806,619	41,803	3,824	63,127	296,620	26,656	4,351	289,051	1,327	26,291	51,199	2,370
Abilene Christian Univ	1,982	0	0	0	1,902	80	0	0	0	0	0	0
Alamo Cmty Col Dist	11,648	0	0	0	11,648	0	0	0	0	0	0	0
Alvin Community College	462	0	0	0	462	0	0	0	0	0	13	1
Amarillo College	2,115	0	0	0	2,101	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Texas, cont'd												
Angelina College	831	0	0	0	831	0	0	0	0	0	0	0
Angelo State University	2,422	0	0	0	2,422	0	0	0	0	0	0	0
Arlington Baptist Coll	123	0	0	0	123	0	0	0	0	0	0	0
Austin Cmty Col (Tex)	3,615	0	0	0	3,615	0	0	0	0	0	0	0
Austin College	848	0	0	0	848	0	0	0	0	0	0	0
Baylor Col of Dentistry	851	0	0	0	11	0	0	840	0	0	0	0
Baylor Col of Medicine	74,640	7,040	0	1,047	2,061	341	0	63,466	0	657	18	0
Baylor University	5,307	4	0	0	3,972	0	40	811	0	69	411	0
Bee County College	2,450	0	0	0	2,450	0	0	0	0	0	0	0
Blinn College	789	0	0	0	789	0	0	0	0	0	0	0
Brazosport College	462	0	0	0	462	0	0	0	0	0	0	0
Brookhaven College	500	0	0	0	500	0	0	0	0	0	0	0
Cedar Valley College	352	0	0	0	352	0	0	0	0	0	0	0
Central Texas College	2,290	0	0	0	2,290	0	0	0	0	0	0	0
Cisco Junior College	501	0	0	0	501	0	0	0	0	0	0	0
Clarendon College	609	0	0	0	609	0	0	0	0	0	0	0
College of the Mainland	1,027	0	0	0	1,027	0	0	0	0	0	0	0
Concordia Lutheran Col	336	0	0	0	336	0	0	0	0	0	0	0
Cooke County College	565	0	0	0	565	0	0	0	0	0	0	0
Corpus Christi State Univ	1,243	0	0	0	1,211	0	0	32	0	0	0	0
Dallas Baptist College	888	0	0	0	888	0	0	0	0	0	0	0
Dallas Christian College	65	0	0	0	65	0	0	0	0	0	0	0
Del Mar College	4,019	0	0	0	4,019	0	0	0	0	0	0	0
East Texas Baptist Col	734	0	0	0	734	0	0	0	0	0	0	0
East Texas State Univ	2,714	0	0	0	2,714	0	0	0	0	0	0	0
Eastfield College	556	0	0	0	556	0	0	0	0	0	0	0
El Centro College	829	0	0	0	829	0	0	0	0	0	0	0
El Paso Cmty College	16,465	0	1,250	0	15,094	0	0	121	0	0	0	0
Frank Phillips College	248	0	0	0	248	0	0	0	0	0	0	0
Galveston College	790	0	0	0	766	0	0	0	0	0	24	0
Grayson County College	991	0	0	0	991	0	0	0	0	0	0	0
Gulf Coast Bible College	282	0	0	0	282	0	0	0	0	0	0	0
Hardin-Simmons University	1,162	0	0	0	1,162	0	0	0	0	0	0	0
Hill Junior College	762	0	0	0	762	0	0	0	0	0	0	0
Houston Baptist Univ	878	0	0	0	878	0	0	0	0	0	0	0
Houston Community College	5,104	0	0	0	4,969	75	0	0	0	0	60	0
Howard Col at Big Springs	635	0	0	0	635	0	0	0	0	0	0	0
Howard Payne University	1,087	0	0	0	1,087	0	0	0	0	0	0	0
Huston-Tillotson College	1,540	0	0	0	1,540	0	0	0	0	0	0	0
Incarnate Word College	2,695	0	0	0	2,656	0	0	39	0	0	0	0
Jacksonville College	274	0	0	0	274	0	0	0	0	0	0	0
Jarvis Christian College	1,854	0	0	0	1,795	0	0	59	0	0	0	0
Kilgore College	1,390	0	0	0	1,390	0	0	0	0	0	0	0
Lamar University	6,031	0	0	0	4,329	0	1,500	0	0	69	133	0
Laredo Junior College	3,571	0	0	0	3,571	0	0	0	0	0	0	0
Laredo State University	582	0	0	0	582	0	0	0	0	0	0	0
Lee College (Tex)	418	0	0	0	418	0	0	0	0	0	0	0
LeTourneau University	786	0	0	0	756	0	0	0	0	30	0	0
Lon Morris College	291	0	0	0	291	0	0	0	0	0	0	0
Lubbock Christian College	823	0	0	0	823	0	0	0	0	0	0	0
McLennan Community Col	2,638	0	0	0	2,638	0	0	0	0	0	0	0
McMurry College	1,063	0	0	0	1,063	0	0	0	0	0	0	0
Midland College	740	0	0	0	740	0	0	0	0	0	0	0
Midwestern State Univ	1,525	0	0	0	1,493	0	0	0	0	0	32	0
Mountain View College	360	0	0	0	360	0	0	0	0	0	0	0
Navarro College	1,444	0	0	0	1,444	0	0	0	0	0	0	0
North Harris Co College	675	0	0	0	675	0	0	0	0	0	0	0
Northlake College	412	0	0	0	412	0	0	0	0	0	0	0
Odessa College	948	0	0	0	948	0	0	0	0	0	0	0
Our Lady of the Lake Univ	2,219	0	0	0	2,186	0	0	28	0	0	5	0
Paris Junior College	1,294	0	0	0	1,294	0	0	0	0	0	0	0
Parker Coll of Chiropract	163	0	0	0	163	0	0	0	0	0	0	0
Paul Quinn College	1,552	0	0	0	1,527	0	0	25	0	0	0	0
Prairie View A & M Univ	13,281	4,632	0	0	7,366	341	0	603	0	339	0	0
Ranger Junior College	503	0	0	0	503	0	0	0	0	0	0	0
Rice University	20,561	147	30	2,059	1,459	1,562	816	2,340	0	1,282	10,866	0
Richland College	478	0	0	0	478	0	0	0	0	0	0	0
Sam Houston State Univ	3,586	0	0	0	3,586	0	0	0	0	0	0	0
San Jacinto Col Ctrl Cam	1,552	0	0	0	1,552	0	0	0	0	0	0	0
Schreiner College	483	0	0	0	483	0	0	0	0	0	0	0
South Plains College	1,715	0	0	0	1,715	0	0	0	0	0	0	0
South Texas Col of Law	202	0	0	0	202	0	0	0	0	0	0	0
Southern Methodist Univ	9,987	0	0	5,841	2,387	0	0	797	0	221	741	0
Southwest Texas Jr Col	1,743	0	0	0	1,743	0	0	0	0	0	0	0
Southwest Texas St Univ	7,475	0	0	0	6,709	0	168	302	0	50	246	0
Southwestern Adventist C	636	0	0	0	636	0	0	0	0	0	0	0
Southwestern Univ (TX)	804	0	0	0	804	0	0	0	0	0	0	0
Southwestn Assemb God Col	867	0	0	0	867	0	0	0	0	0	0	0
Southwestn Christian Col	888	0	0	0	888	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Texas, cont'd												
St Edward's University	2,192	0	0	0	2,167	0	0	25	0	0	0	0
St Mary's Univ S Antonio	3,651	0	25	0	3,286	0	0	340	0	0	0	0
Stephen F Austin St Univ	3,967	219	0	0	3,748	0	0	0	0	0	0	0
Sul Ross State University	1,670	0	0	0	1,599	0	0	0	0	14	57	0
Tarleton State University	2,807	0	0	0	2,807	0	0	0	0	0	0	0
Temple Junior College	748	0	0	0	748	0	0	0	0	0	0	0
Texarkana College	969	0	0	0	969	0	0	0	0	0	0	0
Texas A & I University	5,947	120	0	60	5,257	100	0	241	0	119	50	0
Texas A & M Univ Sys Off	1,859	153	0	0	0	224	0	103	375	246	0	757
Texas A & M University	77,655	28,772	2,230	5,735	10,060	4,864	253	8,164	393	4,154	11,707	323
Texas Chiropractic Col	316	0	0	0	316	0	0	0	0	0	0	0
Texas Christian Univ	4,894	5	0	105	2,683	0	0	1,883	0	0	218	0
Texas Col of Osteo Med	2,728	0	0	0	263	0	0	2,405	0	0	60	0
Texas College	1,571	0	0	0	1,571	0	0	0	0	0	0	0
Texas Lutheran College	723	0	0	0	723	0	0	0	0	0	0	0
Texas Southern Univ	11,285	0	0	0	9,558	90	0	1,456	0	157	24	0
Texas Southmost College	2,530	0	0	0	2,521	0	0	0	0	0	9	0
Texas State Tech Inst	5,630	0	0	0	5,569	0	0	0	0	0	61	0
Texas Tech University	18,022	414	50	2,369	8,147	167	514	5,084	36	34	1,207	0
Texas Wesleyan University	727	0	0	0	689	0	0	38	0	0	0	0
Texas Woman's University	4,254	0	0	0	3,106	0	0	1,148	0	0	0	0
Trinity University	2,438	0	0	0	1,539	0	0	442	0	0	457	0
Trinity Valley Comm Col	1,123	0	0	0	1,123	0	0	0	0	0	0	0
Tyler Junior College	2,172	0	0	0	2,172	0	0	0	0	0	0	0
U of Houston Downtown Col	4,005	0	0	0	2,999	1,001	0	0	0	0	5	0
U of Houston Sys Off	2	0	0	0	0	2	0	0	0	0	0	0
U of Houston Univ Park	24,328	30	0	3,315	9,388	677	97	4,517	0	3,251	3,053	0
U of Texas at San Antonio	6,943	0	114	240	4,668	0	0	1,295	0	158	468	0
U Tex Hlth Sci Ctr Houstn	33,120	0	0	0	326	73	186	31,872	0	563	100	0
U Tex Hlth Sci Ctr S Anto	36,954	0	0	340	777	0	0	35,116	0	44	677	0
U Tex Med Brnch Galveston	26,199	0	0	669	459	0	185	24,383	0	414	89	0
U Tex Sw Med Ctr - Dallas	55,192	0	0	190	550	0	0	52,840	0	1,080	532	0
U TX - Pan American Univ	13,336	0	0	77	12,887	0	0	372	0	0	0	0
U TX MD Anderson Cncr Ctr	29,202	0	0	0	0	0	0	28,941	0	0	261	0
Univ of Central Texas	190	0	0	0	190	0	0	0	0	0	0	0
Univ of Mary Hardin-Baylr	856	0	0	0	856	0	0	0	0	0	0	0
Univ of North Texas	8,712	0	0	1,217	6,172	0	0	529	0	0	794	0
Univ of Tex at Arlington	9,578	0	0	579	7,291	0	206	907	0	108	487	0
Univ of Tex at Tyler	855	0	0	0	855	0	0	0	0	0	0	0
Univ of Tex Permian Basin	781	0	125	0	656	0	0	0	0	0	0	0
Univ of Texas at Austin	87,717	262	0	33,073	1,219	16,367	362	13,671	458	6,633	14,383	1,289
Univ of Texas at Dallas	6,541	0	0	1,545	1,041	1	16	1,304	0	1,284	1,350	0
Univ of Texas at El Paso	15,538	0	0	3,666	8,359	78	8	816	64	111	2,436	0
Univ of Texas System Off	16,476	5	0	0	14,379	613	0	1,479	0	0	0	0
Univ Houstn Clr Lake City	6,419	0	0	0	975	0	0	140	0	5,194	110	0
University of Dallas	683	0	0	0	683	0	0	0	0	0	0	0
University of St Thomas	881	0	0	0	881	0	0	0	0	0	0	0
Vernon Regional Jr Col	586	0	0	0	586	0	0	0	0	0	0	0
Victoria College	457	0	0	0	457	0	0	0	0	0	0	0
Wayland Baptist College	1,092	0	0	0	1,092	0	0	0	0	0	0	0
Weatherford College	360	0	0	0	360	0	0	0	0	0	0	0
West Texas State Univ	2,449	0	0	0	2,419	0	0	30	0	0	0	0
Western Texas College	354	0	0	0	354	0	0	0	0	0	0	0
Wharton County Junior Col	1,042	0	0	0	1,042	0	0	0	0	0	0	0
Wiley College	1,667	0	0	0	1,565	0	0	47	0	0	55	0
Utah, total	194,328	5,221	0	43,831	71,189	5,544	1,089	51,013	2,056	1,620	12,024	761
Brigham Young University	24,100	150	0	452	20,381	170	26	325	99	0	2,497	0
College of Eastern Utah	1,433	0	0	0	1,433	0	0	0	0	0	0	0
Dixie College	1,733	0	0	0	1,733	0	0	0	0	0	0	0
Salt Lake Community Col	5,757	0	0	0	5,757	0	0	0	0	0	0	0
Southern Utah State Col	2,850	0	0	0	2,850	0	0	0	0	0	0	0
University of Utah	84,810	180	0	11,429	11,052	4,313	134	48,010	1,056	796	7,555	285
Utah State University	61,506	4,891	0	31,950	15,908	1,061	845	2,678	901	824	1,972	476
Utah Valley Comm Col	3,659	0	0	0	3,599	0	60	0	0	0	0	0
Weber State College	7,398	0	0	0	7,394	0	4	0	0	0	0	0
Westminster College (UT)	1,082	0	0	0	1,082	0	0	0	0	0	0	0
Vermont, total	60,532	6,749	0	173	28,849	314	238	24,939	150	0	2,050	70
Bennington College	452	0	0	0	452	0	0	0	0	0	0	0
Burlington College	418	0	0	0	418	0	0	0	0	0	0	0
Castleton State College	1,416	0	0	0	1,416	0	0	0	0	0	0	0
Champlain College	1,481	0	0	0	1,481	0	0	0	0	0	0	0
Cmty Col of Vermont	1,316	0	0	0	1,316	0	0	0	0	0	0	0
Col of St Joseph the Prov	242	0	0	0	242	0	0	0	0	0	0	0
Goddard College	275	0	0	0	275	0	0	0	0	0	0	0
Green Mountain College	309	0	0	0	309	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

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State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Vermont, cont'd												
Johnson State College	1,694	0	0	0	1,694	0	0	0	0	0	0	0
Lyndon State College	1,146	0	0	0	1,146	0	0	0	0	0	0	0
Marlboro College	253	0	0	0	253	0	0	0	0	0	0	0
Middlebury College	1,530	0	0	0	1,266	0	0	0	0	0	264	0
Norwich University	4,947	0	0	0	4,947	0	0	0	0	0	0	0
St Joseph Col (VT)	823	0	0	0	823	0	0	0	0	0	0	0
St Michael's College	810	0	0	0	740	0	0	0	0	0	0	70
Sterling Institute	42	0	0	0	42	0	0	0	0	0	0	0
Trinity Col (VT)	1,185	0	0	0	1,185	0	0	0	0	0	0	0
Univ of VT & St Agric Col	41,379	6,749	0	173	7,030	314	238	24,939	150	0	1,786	0
Vermont Law School	238	0	0	0	238	0	0	0	0	0	0	0
Vermont Technical College	576	0	0	0	576	0	0	0	0	0	0	0
Virginia, total	281,204	17,977	1,678	15,881	99,681	10,626	1,763	90,035	2,486	16,826	19,878	4,393
Averett College	526	0	0	0	526	0	0	0	0	0	0	0
Blue Ridge Community Col	248	0	0	0	248	0	0	0	0	0	0	0
Bluefield College	241	0	0	0	241	0	0	0	0	0	0	0
Bridgewater College	518	0	0	0	518	0	0	0	0	0	0	0
Central Virginia Cmty Col	498	0	0	0	498	0	0	0	0	0	0	0
College of William & Mary	6,850	0	528	347	2,615	244	104	26	0	1,543	1,443	0
Comm Hosp Roanoke Val Col	59	0	0	0	59	0	0	0	0	0	0	0
Dabney Lancaster Cmty Col	598	0	0	0	598	0	0	0	0	0	0	0
Danville Community Col	670	0	0	0	670	0	0	0	0	0	0	0
Eastern Mennonite College	1,605	0	0	0	1,605	0	0	0	0	0	0	0
Eastern Shore Cmty Col	160	0	0	0	160	0	0	0	0	0	0	0
Eastern VA Medical School	7,180	0	0	0	275	0	0	3,324	0	111	42	3,428
Emory & Henry College	453	0	0	0	453	0	0	0	0	0	0	0
Ferrum College	743	0	0	0	743	0	0	0	0	0	0	0
George Mason University	6,438	0	182	1,128	3,429	0	0	939	0	0	532	228
Germanna Community Col	171	0	0	0	171	0	0	0	0	0	0	0
Hampden-Sydney College	366	0	0	0	297	61	0	0	0	0	8	0
Hampton University	10,193	0	100	1,324	5,277	40	24	1,293	0	1,237	893	5
Hollins College	315	0	0	0	315	0	0	0	0	0	0	0
J Sgt Reynolds Com Col	2,137	0	0	0	2,137	0	0	0	0	0	0	0
James Madison University	2,165	0	0	0	2,088	0	0	0	0	0	77	0
John Tyler Community Col	793	0	0	0	793	0	0	0	0	0	0	0
Liberty University	4,409	0	0	0	4,409	0	0	0	0	0	0	0
Longwood College	1,189	0	0	0	1,159	0	0	0	0	30	0	0
Lord Fairfax Cmty College	442	0	0	0	442	0	0	0	0	0	0	0
Lynchburg College	746	0	0	0	746	0	0	0	0	0	0	0
Mary Baldwin College	394	0	0	0	394	0	0	0	0	0	0	0
Mary Washington College	712	0	0	0	694	0	0	0	0	18	0	0
Marymount Col of Virginia	472	0	0	0	472	0	0	0	0	0	0	0
Mountain Empire Cmty Col	1,598	0	0	0	1,574	0	0	0	0	0	24	0
National Business Col	1,579	0	0	0	1,579	0	0	0	0	0	0	0
New River Community Col	1,094	0	0	0	1,094	0	0	0	0	0	0	0
Norfolk State University	10,085	0	0	495	8,606	57	6	658	0	110	153	0
Old Dominion University	13,332	0	227	548	5,079	358	0	298	88	5,628	1,106	0
Patrick Henry Cmty Col	759	0	0	0	759	0	0	0	0	0	0	0
Paul D Camp Cmty College	591	0	0	0	591	0	0	0	0	0	0	0
Piedmont VA Community Col	534	0	0	0	534	0	0	0	0	0	0	0
Radford University	2,764	0	0	0	2,764	0	0	0	0	0	0	0
Randolph-Macon College	344	0	0	0	344	0	0	0	0	0	0	0
Randolph-Macon Womans Col	326	0	0	0	314	0	0	0	0	0	12	0
Rappahannock Cmty College	152	0	0	0	152	0	0	0	0	0	0	0
Roanoke College	731	0	0	0	717	0	0	0	0	0	14	0
Shenandoah College	774	0	0	0	774	0	0	0	0	0	0	0
Southern Seminary Jr Col	1,221	0	0	0	1,221	0	0	0	0	0	0	0
Southside VA Cmty College	1,137	0	0	0	1,137	0	0	0	0	0	0	0
Southwest VA Cmty Col	2,193	0	0	0	2,193	0	0	0	0	0	0	0
St Paul's Col (VA)	1,300	0	0	0	1,300	0	0	0	0	0	0	0
Sweet Briar College	301	0	0	0	237	0	0	0	0	0	64	0
Thomas Nelson Cmty Col	1,552	0	0	0	1,552	0	0	0	0	0	0	0
Tidewater Community Col	282	0	0	0	282	0	0	0	0	0	0	0
University of Richmond	840	0	0	0	621	33	0	56	0	47	83	0
University of Virginia	63,319	48	491	4,271	6,787	2,232	298	38,630	9	3,313	7,032	208
Virginia Commonwlth Univ	53,290	0	0	1,405	8,313	187	180	41,878	0	477	850	0
Virginia Intermont Col	556	0	0	0	556	0	0	0	0	0	0	0
Virginia Military Inst	479	0	0	0	479	0	0	0	0	0	0	0
Virginia State University	9,649	3,809	0	0	5,583	75	8	150	0	224	0	0
Virginia Union University	3,004	0	0	0	3,004	0	0	0	0	0	0	0
Virginia Wesleyan College	570	0	0	0	570	0	0	0	0	0	0	0
Virginia Western Comm Col	1,203	0	0	0	1,203	0	0	0	0	0	0	0
VA Highlands Cmty College	993	0	0	0	993	0	0	0	0	0	0	0
VA Polytech Inst & St U	51,457	14,320	150	6,363	4,889	7,339	1,143	2,783	2,369	4,088	7,489	524
Washington & Lee Univ	310	0	0	0	254	0	0	0	0	0	56	0
Wytheville Community Col	1,594	0	0	0	1,594	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Washington, total	371,819	18,501	1,973	29,121	113,268	8,221	1,580	159,531	1,250	4,503	32,888	983
Bellevue Community Col	1,252	0	0	0	1,252	0	0	0	0	0	0	0
Big Bend Community Col	905	0	0	0	905	0	0	0	0	0	0	0
Central Washington Univ	4,761	0	0	92	4,545	0	0	0	124	0	0	0
Centralia College	1,789	0	0	0	1,789	0	0	0	0	0	0	0
City College	336	0	0	0	336	0	0	0	0	0	0	0
Clark College	1,805	0	0	0	1,805	0	0	0	0	0	0	0
Cogswell College North	11	0	0	0	11	0	0	0	0	0	0	0
Columbia Basin College	1,465	0	0	0	1,465	0	0	0	0	0	0	0
Eastern Washington Univ	6,352	1	0	148	6,020	0	0	34	0	149	0	0
Edmonds Community College	1,007	0	0	0	1,007	0	0	0	0	0	0	0
Everett Community College	1,364	0	0	0	1,364	0	0	0	0	0	0	0
Evergreen State College	2,872	0	0	0	2,716	0	0	0	0	0	156	0
Fort Steilacoom Cmty Col	971	0	0	0	971	0	0	0	0	0	0	0
Gonzaga University	5,219	1,819	0	0	3,214	0	0	0	0	0	186	0
Grays Harbor College	740	0	0	0	740	0	0	0	0	0	0	0
Green River Cmty College	1,418	0	0	0	1,418	0	0	0	0	0	0	0
Griffin College	3,408	0	0	0	3,408	0	0	0	0	0	0	0
Heritage College	124	0	0	0	0	0	0	124	0	0	0	0
Highline Community Col	1,345	0	0	0	1,345	0	0	0	0	0	0	0
ITT Peterson Sch of Bus	172	0	0	0	172	0	0	0	0	0	0	0
John Bastyr Col Med	77	0	0	0	77	0	0	0	0	0	0	0
Lower Columbia College	1,239	0	0	0	1,239	0	0	0	0	0	0	0
NW Col Assemblies of God	468	0	0	0	468	0	0	0	0	0	0	0
Olympic College	1,261	0	0	0	1,261	0	0	0	0	0	0	0
Pacific Lutheran Univ	2,684	0	0	0	2,451	14	0	67	0	0	152	0
Peninsula College	556	0	0	0	556	0	0	0	0	0	0	0
Puget Snd Christian Col	46	0	0	0	46	0	0	0	0	0	0	0
Seattle Community College	6,768	0	0	0	6,768	0	0	0	0	0	0	0
Seattle Pacific Univ	2,117	0	0	0	2,117	0	0	0	0	0	0	0
Seattle University	3,086	0	0	0	3,075	0	0	0	0	0	11	0
Shoreline Community Col	1,312	0	0	0	1,312	0	0	0	0	0	0	0
Skagit Valley College	1,267	0	0	0	1,267	0	0	0	0	0	0	0
So Puget Sound Cmty Col	913	0	0	0	913	0	0	0	0	0	0	0
Spokane Community College	4,224	0	0	0	4,224	0	0	0	0	0	0	0
Spokane Falls Cmty Col	4,121	0	0	0	4,121	0	0	0	0	0	0	0
St Martin's College	547	0	0	0	547	0	0	0	0	0	0	0
Tacoma Community College	1,641	0	0	0	1,641	0	0	0	0	0	0	0
University of Puget Sound	3,547	0	0	0	3,076	0	8	0	122	0	341	0
University of Washington	246,883	2,257	1,903	27,754	20,345	6,825	1,064	152,618	854	4,049	28,231	983
Walla Walla College	1,415	0	0	0	1,415	0	0	0	0	0	0	0
Walla Walla Community Col	1,795	0	0	0	1,795	0	0	0	0	0	0	0
Wash St CC Dist 17 Sys of	20	20	0	0	0	0	0	0	0	0	0	0
Washington State Univ	37,068	14,397	70	1,127	9,125	1,382	479	6,613	150	305	3,420	0
Wenatchee Valley Col	985	0	0	0	985	0	0	0	0	0	0	0
Western Washington Univ	5,065	7	0	0	4,702	0	29	75	0	0	252	0
Whatcom Community College	682	0	0	0	682	0	0	0	0	0	0	0
Whitman College	786	0	0	0	722	0	0	0	0	0	64	0
Whitworth College	1,779	0	0	0	1,704	0	0	0	0	0	75	0
Yakima Valley Cmty Col	2,151	0	0	0	2,151	0	0	0	0	0	0	0
West Virginia, total	78,642	10,567	1,107	801	44,861	10,241	16	7,852	2,186	267	726	18
Alderson Broaddus College	1,321	0	432	0	766	0	0	123	0	0	0	0
Appalachian Bible College	169	0	0	0	169	0	0	0	0	0	0	0
Beckley College	1,349	0	0	0	1,179	170	0	0	0	0	0	0
Bethany College (WV)	1,095	0	0	0	1,095	0	0	0	0	0	0	0
Bluefield State College	2,777	0	0	0	2,777	0	0	0	0	0	0	0
Concord College	2,303	0	0	0	2,303	0	0	0	0	0	0	0
Davis & Elkins College	1,041	0	0	0	1,041	0	0	0	0	0	0	0
Fairmont State College	3,125	5	0	0	3,113	0	0	0	0	0	7	0
Glenville State College	1,449	0	0	0	1,449	0	0	0	0	0	0	0
Huntington Jr College	552	0	0	0	552	0	0	0	0	0	0	0
Marshall University	7,493	0	275	28	5,617	0	0	1,528	0	0	45	0
Ohio Valley College	344	0	0	0	344	0	0	0	0	0	0	0
Potomac St Col of WVA Un	556	0	0	0	548	0	0	0	0	0	8	0
Salem College	1,448	0	0	0	1,413	0	0	35	0	0	0	0
Shepherd College	802	0	0	0	797	0	0	0	0	0	5	0
Southern W VA Cmty Col	1,170	0	0	0	1,170	0	0	0	0	0	0	0
U WV Col Graduate Studies	3	0	0	0	3	0	0	0	0	0	0	0
University of Charleston	791	0	0	0	791	0	0	0	0	0	0	0
W VA Northern Cmty Col	951	0	0	0	951	0	0	0	0	0	0	0
W VA Schl Osteopathic Med	205	0	0	0	66	0	0	139	0	0	0	0
West Liberty State Col	1,727	0	0	0	1,727	0	0	0	0	0	0	0
West Virginia Inst Tech	1,974	0	0	0	1,974	0	0	0	0	0	0	0
West Virginia State Col	2,923	0	0	69	2,763	0	16	0	50	25	0	0
West Virginia University	39,885	10,562	200	704	9,264	10,071	0	6,027	2,136	242	661	18
West Virginia Wesleyn Col	1,091	0	0	0	1,091	0	0	0	0	0	0	0
Wheeling College	1,172	0	200	0	972	0	0	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
West Virginia, cont'd												
WV Univ at Parkersburg	926	0	0	0	926	0	0	0	0	0	0	0
Wisconsin, total	361,754	17,153	2,522	9,932	149,455	16,087	1,339	120,151	701	10,059	33,152	1,203
Alverno College	1,274	0	0	0	1,260	0	14	0	0	0	0	0
Beloit College	1,019	0	0	0	969	0	0	0	0	24	26	0
Blackhawk Technical Inst	1,347	0	0	0	1,347	0	0	0	0	0	0	0
Cardinal Stritch College	699	0	0	0	699	0	0	0	0	0	0	0
Carroll College (WI)	1,561	0	0	0	1,561	0	0	0	0	0	0	0
Carthage College	860	0	0	0	860	0	0	0	0	0	0	0
Concordia University, WI	916	0	0	0	916	0	0	0	0	0	0	0
District One Tech Inst	3,044	0	0	0	3,044	0	0	0	0	0	0	0
Edgewood College	378	0	0	0	378	0	0	0	0	0	0	0
Fox Valley Technical Inst	1,622	0	0	0	1,622	0	0	0	0	0	0	0
Gateway Technical Inst	2,236	0	0	0	2,236	0	0	0	0	0	0	0
Inst of Paper Sci & Tech	962	0	0	0	0	962	0	0	0	0	0	0
Lakeland College	679	0	0	0	679	0	0	0	0	0	0	0
Lakeshore Tech Institute	721	0	0	0	721	0	0	0	0	0	0	0
Lawrence University	813	0	0	0	736	0	0	0	0	0	77	0
Maranatha Baptist Bible C	249	0	0	0	249	0	0	0	0	0	0	0
Marian Col of Fond Du Lac	204	0	0	0	0	0	0	0	204	0	0	0
Marquette University	8,689	256	0	0	6,369	75	0	1,189	0	57	743	0
Medical College of Wis	20,918	345	0	0	543	0	0	19,484	0	193	262	91
Mid-State Technical Inst	1,160	0	0	0	1,160	0	0	0	0	0	0	0
Milwaukee Area Tech Col	9,445	0	0	0	9,445	0	0	0	0	0	0	0
Milwaukee Inst Art & Dsgn	352	0	0	0	352	0	0	0	0	0	0	0
Milwaukee School of Eng	41	0	0	0	0	0	0	0	0	0	41	0
Milwaukee Stratton Col	559	0	0	0	559	0	0	0	0	0	0	0
Moraine Park Tech Inst	1,016	0	0	0	1,016	0	0	0	0	0	0	0
Mount Mary College	620	0	0	0	620	0	0	0	0	0	0	0
Mount Senario College	1,303	0	0	0	1,303	0	0	0	0	0	0	0
Nicolet Col & Tech Inst	975	0	0	0	975	0	0	0	0	0	0	0
North Central Tech Inst	2,186	0	0	0	2,186	0	0	0	0	0	0	0
Northland College	2,811	0	0	0	2,811	0	0	0	0	0	0	0
Northwestern Col (WI)	152	0	0	0	152	0	0	0	0	0	0	0
Ripon College	779	0	0	0	779	0	0	0	0	0	0	0
Silver Lake College	540	0	0	0	540	0	0	0	0	0	0	0
St Norbert College	1,439	0	0	0	1,411	0	0	0	0	14	14	0
SW Wis Voc Tech Inst	1,104	0	0	0	1,104	0	0	0	0	0	0	0
Univ of Wis-Center System	45	0	0	0	0	0	0	0	45	0	0	0
Univ of Wis-Eau Claire	8,452	0	0	0	7,920	0	0	390	0	0	142	0
Univ of Wis-Green Bay	3,229	0	0	0	3,013	0	40	0	150	0	26	0
Univ of Wis-La Crosse	6,064	0	0	0	5,724	0	0	0	0	0	340	0
Univ of Wis-Madison	178,913	16,052	125	8,902	4,448	14,376	610	95,344	272	9,452	28,355	977
Univ of Wis-Milwaukee	18,645	351	0	941	11,713	194	274	3,003	0	319	1,765	85
Univ of Wis-Oshkosh	5,984	0	0	0	5,562	0	0	244	0	0	178	0
Univ of Wis-Parkside	2,857	0	0	89	2,401	0	0	38	0	0	329	0
Univ of Wis-Platteville	4,186	4	0	0	4,119	0	0	0	0	0	63	0
Univ of Wis-River Falls	5,589	0	0	0	5,513	0	0	0	0	0	76	0
Univ of Wis-Stevens Point	8,066	1	0	0	7,950	0	0	99	12	0	4	0
Univ of Wis-Stout	8,121	0	0	0	7,836	0	0	271	0	0	14	0
Univ of Wis-Superior	2,752	0	0	0	2,203	0	401	89	0	0	59	0
Univ of Wis-Whitewater	5,596	0	0	0	5,116	480	0	0	0	0	0	0
Univ of Wisconsin Sys Off	23,809	144	2,397	0	20,562	0	0	0	18	0	638	50
Viterbo College	1,084	0	0	0	1,084	0	0	0	0	0	0	0
Waukesha County Tech Inst	940	0	0	0	940	0	0	0	0	0	0	0
Western Wisc Tech Inst	2,096	0	0	0	2,096	0	0	0	0	0	0	0
Wis Indnhd Vo Tech Ed Dis	2,524	0	0	0	2,524	0	0	0	0	0	0	0
Wisconsin Lutheran Col	129	0	0	0	129	0	0	0	0	0	0	0
Wyoming, total	24,329	3,462	19	1,541	11,759	605	295	1,491	674	188	4,295	0
Casper College	1,392	0	0	0	1,282	0	110	0	0	0	0	0
Central Wyoming College	799	0	0	0	799	0	0	0	0	0	0	0
Eastern Wyoming College	508	0	0	0	508	0	0	0	0	0	0	0
Laramie County Cmty Col	971	0	0	0	971	0	0	0	0	0	0	0
Northwest College	859	0	0	0	814	0	0	0	0	0	45	0
Sheridan College	507	0	0	0	507	0	0	0	0	0	0	0
University of Wyoming	18,917	3,462	19	1,541	6,502	605	185	1,491	674	188	4,250	0
Western Wyoming Cmty Col	376	0	0	0	376	0	0	0	0	0	0	0
Guam, total	4,530	1,697	0	0	2,189	0	0	405	150	0	89	0
Guam Community College	1,329	0	0	0	1,329	0	0	0	0	0	0	0
University of Guam	3,201	1,697	0	0	860	0	0	405	150	0	89	0

See explanatory material at end of table.

(Continued)

Table C-17. -- Federal obligations to universities and colleges by State, institution, and agency: fiscal year 1989

[Dollars in thousands]

State & institution	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
Puerto Rico, total	250,706	11,689	640	583	216,635	125	12	16,774	150	324	3,659	115
Aguadilla Regional Col	81	0	0	0	81	0	0	0	0	0	0	0
American Univ Puerto Rico	9,420	0	0	0	9,420	0	0	0	0	0	0	0
Antillian College	1,503	0	0	0	1,503	0	0	0	0	0	0	0
Bayamon Central Univ	6,639	0	0	0	6,639	0	0	0	0	0	0	0
Caguas City College	1,968	0	0	0	1,968	0	0	0	0	0	0	0
Caribbean University Col	5,707	0	0	0	5,707	0	0	0	0	0	0	0
Catholic Univ of P R	27,202	0	0	0	26,795	0	0	407	0	0	0	0
Center Adv Stud Pr&Carib	9	0	0	0	9	0	0	0	0	0	0	0
Consv of Music of P R	162	0	0	0	162	0	0	0	0	0	0	0
Elec Data Proc Col-P Rico	2,535	0	0	0	2,535	0	0	0	0	0	0	0
Fundacion Educ Mandez Sys	47	0	0	0	0	0	0	0	0	0	47	0
Huertas Junior College	2,419	0	0	0	2,419	0	0	0	0	0	0	0
Inst Com De P Rico Jr Col	1,405	0	0	0	1,405	0	0	0	0	0	0	0
Inter Am U Pr-Ctrl Off	485	0	0	0	297	0	0	188	0	0	0	0
Inter Am U Pr-San German	51,225	0	0	0	51,134	0	0	33	0	0	58	0
Inter Amer U of Pr Metrop	1,307	0	0	0	1,307	0	0	0	0	0	0	0
Polytech Univ of P R	4,942	0	0	0	4,942	0	0	0	0	0	0	0
Ponce School of Medicine	1,429	0	0	0	0	0	0	1,429	0	0	0	0
Puerto Rico Jr Col	34,912	0	0	0	34,912	0	0	0	0	0	0	0
Tech Col/Munc of San Juan	1,296	0	0	0	1,296	0	0	0	0	0	0	0
Turabo University College	258	0	0	0	258	0	0	0	0	0	0	0
U Ctrl Del Caribe Esc Med	568	0	0	0	87	0	0	481	0	0	0	0
U P R - Carolina Reg Col	352	0	0	0	352	0	0	0	0	0	0	0
U P R - Regional Col Admn	50,162	0	0	0	49,878	0	0	0	0	0	284	0
Un of Pr Ponce Tech Univ	165	0	0	0	165	0	0	0	0	0	0	0
Univ of the Sacred Heart	11,100	0	0	0	11,061	0	0	0	0	0	39	0
Univ of P R-Cayey U Col	763	0	0	0	444	0	0	319	0	0	0	0
Univ of P R-Humacao U Col	853	0	0	0	453	0	0	400	0	0	0	0
Univ of P R-Mayaguez	14,003	11,689	176	155	183	50	12	500	0	292	946	0
Univ of P R-Med Sci Cmpus	10,947	0	0	125	0	75	0	10,703	0	0	44	0
Univ of P R-Rio Piedras	3,482	0	0	303	683	0	0	2,314	150	32	0	0
Univ of P R, System Off	2,820	0	464	0	0	0	0	0	0	0	2,241	115
Universidad Metropolitana	540	0	0	0	540	0	0	0	0	0	0	0
American Samoa, total	921	660	0	0	228	0	0	33	0	0	0	0
American Samoa Cmty Col	921	660	0	0	228	0	0	33	0	0	0	0
Virgin Islands, total	3,040	1,646	0	0	957	0	0	287	150	0	0	0
U of the Virgin Islands	3,040	1,646	0	0	957	0	0	287	150	0	0	0
Trust Territory Pac Isl,total	2,938	1,663	100	0	1,112	0	0	63	0	0	0	0
Cmty Col of Micronesia	781	718	0	0	0	0	0	63	0	0	0	0
Micronesian Occup College	446	0	0	0	446	0	0	0	0	0	0	0
No Marianas College	1,711	945	100	0	666	0	0	0	0	0	0	0

1/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-18. -- Federal obligations to historically black colleges, ranked in descending order of total amount received: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
	Total, all institutions	495,553	372,617	573,018	538,698	579,446	625,096	636,315	693,940
1	Howard University	177,553	144,807	180,733	163,879	169,084	166,784	168,947	175,594
2	Southern U & A&M College	11,367	8,486	17,155	16,943	14,850	22,651	24,907	26,311
3	Jackson State University	10,374	4,992	10,492	11,033	16,451	14,973	15,760	18,189
4	Meharry Medical College	11,795	11,852	8,944	9,904	8,779	13,788	15,566	17,545
5	Xavier University of LA	3,889	2,330	4,812	4,959	4,847	6,573	8,209	17,477
6	Tuskegee University	8,700	16,362	23,242	13,681	14,281	20,021	16,656	16,746
7	NC Ag & Tech State Univ	8,890	10,367	11,331	10,542	11,396	18,757	14,864	16,114
8	Florida A & M University	7,566	4,508	9,132	10,481	11,376	12,341	12,088	14,640
9	Tennessee State Univ	9,516	12,357	15,046	14,756	11,982	11,959	12,637	14,032
10	Prairie View A & M Univ	8,745	7,108	11,421	10,966	11,713	12,456	15,332	13,281
	Total 1st 10 institutions	258,395	223,169	292,308	267,144	274,759	300,303	304,966	329,929
11	Grambling State Univ	5,087	3,605	7,602	7,432	12,073	9,826	10,501	12,702
12	Univ of Ark Pine Bluff	5,379	3,609	5,644	6,158	7,137	7,708	8,195	11,993
13	Morehouse School of Med	-	1,249	6,503	1,125	2,562	5,648	9,019	11,942
14	Texas Southern Univ	9,138	3,210	6,894	5,785	7,440	8,190	9,763	11,285
15	Alabama A & M University	5,408	5,707	8,808	8,351	9,407	10,313	10,535	10,904
16	Kentucky State University	4,260	5,643	5,948	5,751	5,843	11,834	10,117	10,504
17	South Carolina St College	6,915	4,629	7,330	9,341	9,055	7,626	8,646	10,201
18	Hampton University	5,417	3,739	6,358	5,975	6,844	7,195	8,885	10,193
19	Norfolk State University	10,026	5,974	6,261	6,815	7,254	7,704	7,590	10,085
20	Virginia State University	5,903	5,243	7,503	8,258	12,084	8,066	8,418	9,649
	Total 1st 20 institutions	315,928	265,777	361,159	332,135	354,458	384,413	396,635	439,387
21	Atlanta University 2/	2,397	3,049	3,990	5,315	8,791	11,587	7,602	8,827
22	Alcorn State University	6,510	5,032	7,433	6,867	7,755	7,178	7,959	8,086
23	Alabama State University	5,583	2,026	5,193	6,044	6,561	6,523	6,910	7,813
24	Fort Valley State Univ	4,723	4,827	6,612	6,393	6,822	6,634	6,646	7,325
25	Shaw University	3,226	1,618	3,086	2,985	3,814	3,191	3,402	6,934
26	Miss Valley State Univ	3,999	1,759	4,684	4,618	5,302	6,370	6,505	6,788
27	Morgan State University	4,843	2,716	5,068	5,660	5,251	4,978	5,561	6,352
28	Florida Memorial College	1,576	879	3,290	3,475	3,921	4,423	3,074	6,052
29	Langston University	2,978	2,839	4,264	4,196	4,645	4,592	5,331	5,936
30	Lincoln University (MO)	4,235	4,272	5,148	5,384	5,389	5,189	5,181	5,931
	Total 1st 30 institutions	355,998	294,794	409,927	383,072	412,709	445,078	454,806	509,431
31	North Carolina Cntrl Univ	5,780	2,601	5,747	5,542	5,706	6,176	6,572	5,790
32	Rust College	2,095	1,146	1,986	3,285	3,377	2,969	3,085	5,609
33	University of D C	6,500	2,271	6,478	6,256	6,621	5,129	4,477	5,518
34	Bethune Cookman College	4,116	1,543	4,127	4,174	5,017	7,588	10,785	5,478
35	U of MD Eastern Shore	2,771	3,181	4,178	3,909	3,945	3,874	4,333	5,138
36	St Augustines College	3,593	3,846	7,179	4,018	4,286	4,802	5,948	5,095
37	Bennett College (NC)	755	720	1,121	1,241	1,801	2,148	2,026	4,772
38	Benedict College	3,252	1,920	3,411	4,793	4,207	4,691	4,508	4,757
39	Fayetteville State Univ	3,182	1,312	4,051	3,788	4,478	4,054	4,175	4,747
40	Clark Atlanta Univ 2/	2,860	1,772	3,910	3,626	4,477	4,059	7,573	4,554
	Total 1st 40 institutions	390,902	315,106	452,115	423,704	456,624	490,568	508,288	560,889
41	Morris Brown College	2,827	1,026	3,084	2,625	3,551	3,960	3,550	4,061
42	Albany State College	3,399	2,092	3,007	2,654	3,472	2,976	4,160	4,002
43	Winston-Salem State Univ	2,920	1,084	3,787	3,692	4,002	4,027	3,696	3,950
44	Morehouse College	3,900	1,200	2,575	6,184	2,670	4,603	3,152	3,773
45	Dillard University	2,156	1,231	2,748	3,320	3,312	3,880	3,215	3,720
46	Wilberforce University	3,909	2,206	4,089	3,793	4,176	3,910	4,111	3,717
47	Elizabeth City State Univ	3,875	912	2,963	2,704	3,157	3,010	3,293	3,715
48	Coppin State College	2,595	1,164	3,248	3,039	3,794	4,649	3,767	3,708
49	Le Moyne-Owen College	2,329	1,280	2,246	2,084	3,031	2,938	2,974	3,678
50	Tougaloo College	2,253	1,364	2,265	2,474	3,082	2,630	3,561	3,676
	Total 1st 50 institutions	421,065	328,665	482,127	456,273	490,871	527,151	543,767	598,889

See explanatory material at end of table.

(Continued)

Table C-18. -- Federal obligations to historically black colleges, ranked in descending order of total amount received: fiscal years 1982-89 1/

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received in fiscal year 1989)	1982	1983	1984	1985	1986	1987	1988	1989
51	Knoxville College	1,847	737	1,933	1,931	1,308	2,179	2,386	3,669
52	Savannah State College	2,503	1,564	3,666	2,720	3,348	2,990	3,198	3,624
53	Delaware State University	2,720	2,338	2,865	2,921	3,065	3,400	3,625	3,526
54	Lincoln University (PA)	1,839	1,416	2,986	3,595	3,377	3,016	3,455	3,441
55	Coahoma Community College	1,866	3,268	2,564	345	314	2,932	3,636	3,389
56	Johnson C Smith Univ	2,531	1,085	2,629	3,754	3,055	2,856	3,271	3,190
57	Spelman College	1,623	553	2,450	2,364	2,597	2,793	3,424	3,067
58	U of the Virgin Islands	2,268	2,314	1,713	2,768	2,009	4,942	3,093	3,040
59	Virginia Union University	2,148	887	2,555	2,115	2,738	2,635	2,907	3,004
60	West Virginia State Col	1,786	1,016	2,193	1,996	2,228	2,487	2,418	2,923
	Total 1st 60 institutions	442,196	343,843	507,681	480,782	514,910	557,381	575,180	631,762
61	Stillman College	1,304	584	2,267	2,503	2,422	3,605	2,715	2,884
62	Fisk University	1,666	1,186	2,142	2,568	3,329	3,148	2,541	2,766
63	Morris College	1,546	460	2,457	2,038	2,104	2,808	2,717	2,735
64	Claflin College	1,448	738	2,168	2,141	2,266	2,756	2,637	2,720
65	Mary Holmes College	1,215	624	2,332	1,984	1,457	1,659	1,655	2,611
66	Cheyney Univ of Penn	2,095	1,002	1,845	2,409	2,070	2,533	2,676	2,604
67	Lane College	1,958	787	2,211	2,406	2,016	2,567	2,139	2,581
68	Lawson State Cmty College	2,098	1,546	2,273	1,890	2,231	2,223	2,161	2,540
69	Voorhees College	2,054	1,070	1,854	2,109	2,443	2,814	2,425	2,463
70	Bowie State University	1,287	712	1,839	1,616	1,860	2,021	2,766	2,365
	Total 1st 70 institutions	458,867	352,552	529,069	502,446	537,108	583,515	599,612	658,031
71	Miles College	1,345	1,040	2,340	1,824	1,747	1,865	2,110	2,327
72	Talladega College	1,639	1,221	1,612	1,516	2,288	2,710	2,377	2,310
73	Oakwood College	5,073	848	2,347	1,453	2,352	1,477	1,930	2,242
74	Edward Waters College	3,531	992	2,196	1,769	4,935	2,025	2,110	2,240
75	Bishop St Comm Col	881	490	1,782	1,981	2,168	2,303	2,386	2,166
76	Philander Smith College	927	509	1,236	1,180	1,374	1,654	1,840	2,125
77	Paine College	1,809	848	2,387	2,509	2,286	2,060	2,343	1,946
78	Jarvis Christian College	1,066	2,857	1,866	1,481	1,500	1,807	1,707	1,854
79	Wiley College	1,263	454	1,582	1,453	1,325	1,737	1,699	1,667
80	Texas College	1,016	1,622	5,779	1,726	1,481	1,601	2,009	1,571
	Total 1st 80 institutions	477,417	363,433	552,196	519,338	558,564	602,754	620,123	678,479
81	Paul Quinn College	1,100	2,134	1,365	1,298	1,404	1,420	1,466	1,552
82	Livingstone College	1,695	90	1,665	1,304	1,417	1,496	1,475	1,551
83	Huston-Tillotson College	719	442	1,070	1,387	1,022	1,758	1,534	1,540
84	Trenholm St Tech Col	-	-	0	855	765	944	1,717	1,418
85	Selma University	899	708	1,128	815	953	1,225	1,553	1,403
86	Barber-Scotia College	824	444	1,232	1,102	1,266	1,296	999	1,381
87	St Paul's Col (VA)	1,820	716	1,433	1,486	1,659	2,040	1,599	1,300
88	Concordia College	338	195	852	781	994	1,571	1,114	1,031
89	Arkansas Baptist College	165	42	365	365	374	765	985	980
90	Southwestn Christian Col	423	63	712	636	727	828	815	888
	Total 1st 90 institutions	485,400	368,267	562,018	529,367	569,145	616,097	633,380	691,523
91	Allen University	611	36	582	526	674	638	598	734
92	Shorter College	206	56	435	256	352	595	550	638
93	Morristown College	332	89	624	485	757	872	102	350
94	Central State University	3,271	1,756	4,040	4,759	4,773	4,063	210	333
95	Prentiss Norm & Ind Inst	0	257	333	205	182	320	274	185
96	Hinds J Co Dist Utica Cam	1,595	716	1,295	1,306	1,735	1,183	1,006	101
97	Interdenomina Theol Ctr	68	0	0	0	68	73	75	76
	Bishop College	2,076	824	2,515	1,737	1,749	1,221	120	0
	Clinton Junior College	10	1	11	11	11	34	0	0
	Lomax-Hannon Jr College	207	166	0	0	0	0	0	0
	Total 1st 100 institutions	493,776	372,168	571,853	538,652	579,446	625,096	636,315	693,940
	Shaw College at Detroit	1,777	449	1,165	0	0	0	0	0
	U DC Ga Ave & Harv St Cam	-	-	0	46	0	0	0	0
	Total 1st 102 institutions	495,553	372,617	573,018	538,698	579,446	625,096	636,315	693,940

1/ Institutions having no current year obligations are listed in alphabetical order.

2/ Atlanta University (rank #21) and Clark College (rank #40) have merged to form Clark Atlanta University (rank #40), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universitites, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-19. -- Federal obligations to historically black colleges, ranked in descending order of total amount received, by type of activity: fiscal year 1989

[Dollars in thousands]

Rank	Institution (ranked by total federal obligations)	Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
	Total, all institutions	693,940	156,220	92,117	60	215	10,445	21,231	32,152	537,720
1	Howard University	175,594	14,608	12,291	0	0	712	1,525	80	160,986
2	Southern U & A&M College	26,311	5,486	1,991	0	34	388	594	2,479	20,825
3	Jackson State University	18,189	4,743	3,204	0	12	483	937	107	13,446
4	Meharry Medical College	17,545	7,878	5,923	0	0	118	1,837	0	9,667
5	Xavier University of LA	17,477	10,018	8,545	0	0	822	651	0	7,459
6	Tuskegee University	16,746	6,739	3,627	0	0	411	906	1,795	10,007
7	NC Ag & Tech State Univ	16,114	10,149	6,617	0	6	236	453	2,837	5,965
8	Florida A & M University	14,640	6,323	3,340	0	0	731	920	1,332	8,317
9	Tennessee State Univ	14,032	5,926	3,031	0	0	215	769	1,911	8,106
10	Prairie View A & M Univ	13,281	5,654	2,839	60	0	103	352	2,300	7,627
	Total 1st 10 institutions	329,929	77,524	51,408	60	52	4,219	8,944	12,841	252,405
11	Grambling State Univ	12,702	1,048	594	0	0	245	159	50	11,654
12	Univ of Ark Pine Bluff	11,993	3,337	1,262	0	0	102	583	1,390	8,656
13	Morehouse School of Med	11,942	5,034	3,862	0	0	91	1,081	0	6,908
14	Texas Southern Univ	11,285	2,013	1,612	0	0	110	79	212	9,272
15	Alabama A & M University	10,904	6,629	4,477	0	20	247	322	1,563	4,275
16	Kentucky State University	10,504	4,326	1,919	0	0	110	358	1,939	6,178
17	South Carolina St College	10,201	3,525	1,593	0	0	102	156	1,674	6,676
18	Hampton University	10,193	4,380	3,464	0	0	357	422	137	5,813
19	Norfolk State University	10,085	1,366	816	0	0	154	297	99	8,719
20	Virginia State University	9,649	4,066	1,776	0	0	279	0	2,011	5,583
	Total 1st 20 institutions	439,387	113,248	72,783	60	72	6,016	12,401	21,916	326,139
21	Atlanta University 2/	8,827	5,723	4,863	0	0	43	817	0	3,104
22	Alcorn State University	8,086	3,146	1,447	0	0	163	0	1,536	4,940
23	Alabama State University	7,813	683	74	0	0	167	442	0	7,130
24	Fort Valley State Univ	7,325	3,454	1,684	0	0	139	0	1,631	3,871
25	Shaw University	6,934	0	0	0	0	0	0	0	6,934
26	Miss Valley State Univ	6,788	630	606	0	0	24	0	0	6,158
27	Morgan State University	6,352	935	647	0	0	288	0	0	5,417
28	Florida Memorial College	6,052	80	0	0	0	0	80	0	5,972
29	Langston University	5,936	2,548	1,146	0	0	102	0	1,300	3,388
30	Lincoln University (MO)	5,931	3,642	1,674	0	0	163	186	1,619	2,289
	Total 1st 30 institutions	509,431	134,089	84,924	60	72	7,105	13,926	28,002	375,342
31	North Carolina Cntrl Univ	5,790	952	402	0	0	380	170	0	4,838
32	Rust College	5,609	229	52	0	0	14	163	0	5,380
33	University of D C	5,518	3,347	1,038	0	52	484	439	1,334	2,171
34	Bethune Cookman College	5,478	933	92	0	0	58	783	0	4,545
35	U of MD Eastern Shore	5,138	2,692	1,023	0	0	102	250	1,317	2,446
36	St Augustines College	5,095	140	50	0	0	0	0	90	4,955
37	Bennett College (NC)	4,772	222	45	0	0	144	33	0	4,550
38	Benedict College	4,757	629	25	0	0	12	592	0	4,128
39	Fayetteville State Univ	4,747	376	0	0	0	0	376	0	4,371
40	Clark Atlanta Univ 2/	4,554	709	516	0	0	0	193	0	3,845
	Total 1st 40 institutions	560,889	144,318	88,167	60	124	8,299	16,925	30,743	416,571
41	Morris Brown College	4,061	29	10	0	19	0	0	0	4,032
42	Albany State College	4,002	423	0	0	0	138	285	0	3,579
43	Winston-Salem State Univ	3,950	615	67	0	0	0	548	0	3,335
44	Morehouse College	3,773	624	333	0	0	291	0	0	3,149
45	Dillard University	3,720	173	0	0	0	119	54	0	3,547
46	Wilberforce University	3,717	14	0	0	0	14	0	0	3,703
47	Elizabeth City State Univ	3,715	60	0	0	16	0	44	0	3,655
48	Coppin State College	3,708	334	0	0	0	0	254	80	3,374
49	Le Moyne-Owen College	3,678	0	0	0	0	0	0	0	3,678
50	Tougaloo College	3,676	435	0	0	0	179	256	0	3,241
	Total 1st 50 institutions	598,889	147,025	88,577	60	159	9,040	18,366	30,823	451,864

See explanatory material at end of table.

(Continued)

Table C-19. -- Federal obligations to historically black colleges, ranked in descending order of total amount received, by type of activity: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by total federal obligations)	Total, all activities	Academic science/engineering							Non-science/engineering
			Total academic science/engineering	Research and development	R&D plant 1/	Facilities for instruction in science/eng.	Fellowships, traineeships, and training grants	General support science/engineering	Other science/engineering	
51	Knoxville College	3,669	204	0	0	0	0	204	0	3,465
52	Savannah State College	3,624	218	115	0	0	103	0	0	3,406
53	Delaware State University	3,526	1,524	487	0	0	208	313	516	2,002
54	Lincoln University (PA)	3,441	1,096	648	0	0	222	226	0	2,345
55	Coahoma Community College	3,389	36	0	0	0	36	0	0	3,353
56	Johnson C Smith Univ	3,190	380	0	0	0	1	379	0	2,810
57	Spelman College	3,067	471	230	0	0	135	106	0	2,596
58	U of the Virgin Islands	3,040	2,083	1,052	0	0	0	287	744	957
59	Virginia Union University	3,004	0	0	0	0	0	0	0	3,004
60	West Virginia State Col	2,923	165	75	0	0	16	5	69	2,758
Total 1st	60 institutions	631,762	153,202	91,184	60	159	9,761	19,886	32,152	478,560
61	Stillman College	2,884	298	0	0	0	115	183	0	2,586
62	Fisk University	2,766	776	469	0	0	3	304	0	1,990
63	Morris College	2,735	0	0	0	0	0	0	0	2,735
64	Claflin College	2,720	30	30	0	0	0	0	0	2,690
65	Mary Holmes College	2,611	356	0	0	56	0	300	0	2,255
66	Cheyney Univ of Penn	2,604	0	0	0	0	0	0	0	2,604
67	Lane College	2,581	133	0	0	0	83	50	0	2,448
68	Lawson State Cmty College	2,540	0	0	0	0	0	0	0	2,540
69	Voorhees College	2,463	123	63	0	0	60	0	0	2,340
70	Bowie State University	2,365	60	0	0	0	60	0	0	2,305
Total 1st	70 institutions	658,031	154,978	91,746	60	215	10,082	20,723	32,152	503,053
71	Miles College	2,327	0	0	0	0	0	0	0	2,327
72	Talladega College	2,310	141	0	0	0	135	6	0	2,169
73	Oakwood College	2,242	107	0	0	0	107	0	0	2,135
74	Edward Waters College	2,240	0	0	0	0	0	0	0	2,240
75	Bishop St Comm Col	2,166	0	0	0	0	0	0	0	2,166
76	Philander Smith College	2,125	154	5	0	0	0	149	0	1,971
77	Paine College	1,946	20	0	0	0	20	0	0	1,926
78	Jarvis Christian College	1,854	59	59	0	0	0	0	0	1,795
79	Wiley College	1,667	55	55	0	0	0	0	0	1,612
80	Texas College	1,571	0	0	0	0	0	0	0	1,571
Total 1st	80 institutions	678,479	155,514	91,865	60	215	10,344	20,878	32,152	522,965
81	Paul Quinn College	1,552	57	25	0	0	0	32	0	1,495
82	Livingstone College	1,551	0	0	0	0	0	0	0	1,551
83	Huston-Tillotson College	1,540	0	0	0	0	0	0	0	1,540
84	Trenholm St Tech Col	1,418	0	0	0	0	0	0	0	1,418
85	Selma University	1,403	316	0	0	0	0	316	0	1,087
86	Barber-Scotia College	1,381	0	0	0	0	0	0	0	1,381
87	St Paul's Col (VA)	1,300	0	0	0	0	0	0	0	1,300
88	Concordia College	1,031	0	0	0	0	0	0	0	1,031
89	Arkansas Baptist College	980	0	0	0	0	0	0	0	980
90	Southwestn Christian Col	888	0	0	0	0	0	0	0	888
Total 1st	90 institutions	691,523	155,887	91,890	60	215	10,344	21,226	32,152	535,636
91	Allen University	734	0	0	0	0	0	0	0	734
92	Shorter College	638	0	0	0	0	0	0	0	638
93	Morristown College	350	0	0	0	0	0	0	0	350
94	Central State University	333	333	227	0	0	101	5	0	0
95	Prentiss Norm & Ind Inst	185	0	0	0	0	0	0	0	185
96	Hinds J Co Dist Utica Cam	101	0	0	0	0	0	0	0	101
97	Interdenomina Theol Ctr	76	0	0	0	0	0	0	0	76
Total 1st	97 institutions	693,940	156,220	92,117	60	215	10,445	21,231	32,152	537,720

1/ See Technical Notes, scope of survey.

2/ Atlanta University (rank #21) and Clark College (rank #40) have merged to form Clark Atlanta University (rank #40), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

Table C-20. -- Federal obligations to historically black colleges, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

(Page 1 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
	Total, all institutions	693,940	57,152	680	18,808	527,778	4,800	1,520	60,726	760	9,999	11,391	326
1	Howard University	175,594	201	0	707	164,496	395	427	6,830	0	834	1,704	0
2	Southern U & A&M College	26,311	3,107	0	210	21,004	14	0	794	0	827	355	0
3	Jackson State University	18,189	0	25	602	13,461	1,381	52	1,472	243	470	420	63
4	Meharry Medical College	17,545	0	0	503	2,925	234	145	11,871	0	0	1,867	0
5	Xavier University of LA	17,477	0	100	7,327	5,729	0	157	3,685	0	479	0	0
6	Tuskegee University	16,746	3,291	0	878	7,169	150	0	4,717	0	491	50	0
7	NC Ag & Tech State Univ	16,114	4,582	0	1,568	6,383	209	18	676	58	1,678	881	61
8	Florida A & M University	14,640	2,448	0	723	8,095	75	0	2,413	0	467	419	0
9	Tennessee State Univ	14,032	3,612	0	168	7,991	14	0	2,093	0	154	0	0
10	Prairie View A & M Univ	13,281	4,632	0	0	7,366	341	0	603	0	339	0	0
	Total 1st 10 institutions	329,929	21,873	125	12,686	244,619	2,813	799	35,154	301	5,739	5,696	124
11	Grambling State Univ	12,702	0	0	191	11,555	115	0	703	0	0	138	0
12	Univ of Ark Pine Bluff	11,993	2,628	0	126	8,656	0	0	583	0	0	0	0
13	Morehouse School of Med	11,942	0	0	0	5,061	0	230	6,647	0	0	4	0
14	Texas Southern Univ	11,285	0	0	0	9,558	90	0	1,456	0	157	24	0
15	Alabama A & M University	10,904	3,045	0	251	4,272	385	12	396	0	1,229	1,314	0
16	Kentucky State University	10,504	3,965	0	0	6,391	0	8	140	0	0	0	0
17	South Carolina St College	10,201	2,971	0	0	6,676	136	0	156	0	0	262	0
18	Hampton University	10,193	0	100	1,324	5,277	40	24	1,293	0	1,237	893	5
19	Norfolk State University	10,085	0	0	495	8,606	57	6	658	0	110	153	0
20	Virginia State University	9,649	3,609	0	0	5,583	75	8	150	0	224	0	0
	Total 1st 20 institutions	439,387	38,091	225	15,073	316,254	3,711	1,087	47,336	301	8,696	8,484	129
21	Atlanta University 2/	8,827	0	80	1,762	3,044	467	0	1,745	84	109	1,536	0
22	Alcorn State University	8,086	2,963	0	123	4,940	0	0	60	0	0	0	0
23	Alabama State University	7,813	0	0	0	7,130	0	0	609	0	0	74	0
24	Fort Valley State Univ	7,325	3,080	0	166	3,932	50	0	41	0	0	46	10
25	Shaw University	6,934	0	0	0	6,785	0	0	149	0	0	0	0
26	Miss Valley State Univ	6,788	606	100	0	6,058	0	24	0	0	0	0	0
27	Morgan State University	6,352	0	100	0	5,317	0	10	229	0	110	568	18
28	Florida Memorial College	6,052	0	0	0	6,052	0	0	0	0	0	0	0
29	Langston University	5,936	2,532	0	0	3,272	16	0	116	0	0	0	0
30	Lincoln University (MO)	5,931	3,453	0	51	2,161	0	0	246	20	0	0	0
	Total 1st 30 institutions	509,431	50,725	505	17,175	364,945	4,244	1,121	50,531	405	8,915	10,708	157
31	North Carolina Cntrl Univ	5,790	0	0	266	4,902	0	0	582	0	0	40	0
32	Rust College	5,609	0	0	0	5,380	14	0	215	0	0	0	0
33	University of D C	5,518	1,497	0	325	2,584	0	0	696	150	174	92	0
34	Bethune Cookman College	5,478	0	0	0	4,785	0	0	601	0	0	92	0
35	U of MD Eastern Shore	5,138	2,174	75	0	2,766	0	0	0	5	40	78	0
36	St Augustines College	5,095	0	0	90	4,919	0	0	36	0	0	50	0
37	Bennett College (NC)	4,772	0	0	0	4,526	14	0	229	0	0	0	3
38	Benedict College	4,757	0	100	0	4,093	0	12	552	0	0	0	0
39	Fayetteville State Univ	4,747	0	0	0	4,371	0	0	376	0	0	0	0
40	Clark Atlanta Univ 2/	4,554	0	0	0	3,738	306	0	510	0	0	0	0
	Total 1st 40 institutions	560,889	54,396	680	17,856	407,009	4,578	1,133	54,328	560	9,129	11,060	160
41	Morris Brown College	4,061	0	0	0	4,032	0	0	0	0	0	19	10
42	Albany State College	4,002	0	0	0	3,667	0	0	335	0	0	0	0
43	Winston-Salem State Univ	3,950	0	0	0	3,186	0	0	764	0	0	0	0
44	Morehouse College	3,773	0	0	204	2,904	0	105	245	0	291	18	6
45	Dillard University	3,720	0	0	0	3,595	0	34	91	0	0	0	0
46	Wilberforce University	3,717	0	0	0	3,703	0	14	0	0	0	0	0
47	Elizabeth City State Univ	3,715	0	0	0	3,699	0	0	0	0	0	16	0
48	Coppin State College	3,708	0	0	0	3,511	0	0	196	0	0	1	0
49	Le Moyne-Owen College	3,678	0	0	0	3,678	0	0	0	0	0	0	0
50	Tougaloo College	3,676	0	0	0	3,062	0	0	614	0	0	0	0
	Total 1st 50 institutions	598,889	54,396	680	18,060	442,046	4,578	1,286	56,573	560	9,420	11,114	176

See explanatory material at end of table.

(Continued)

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Table C-20. -- Federal obligations to historically black colleges, ranked in descending order of total amount received, by agency: fiscal year 1989

[Dollars in thousands]

(Page 2 of 2)

Rank	Institution (ranked by amount received)	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 1/
51	Knoxville College	3,669	0	0	0	3,669	0	0	0	0	0	0	0
52	Savannah State College	3,624	0	0	0	3,406	80	0	103	0	0	35	0
53	Delaware State University	3,526	1,105	0	0	2,002	0	8	411	0	0	0	0
54	Lincoln University (PA)	3,441	0	0	375	2,345	0	0	500	0	140	81	0
55	Coahoma Community College	3,389	0	0	0	3,353	36	0	0	0	0	0	0
56	Johnson C Smith Univ	3,190	0	0	0	2,810	0	0	380	0	0	0	0
57	Spelman College	3,067	0	0	90	2,487	0	0	215	0	225	50	0
58	U of the Virgin Islands	3,040	1,646	0	0	957	0	0	287	150	0	0	0
59	Virginia Union University	3,004	0	0	0	3,004	0	0	0	0	0	0	0
60	West Virginia State Col	2,923	0	0	69	2,763	0	16	0	50	25	0	0
Total 1st	60 institutions	631,762	57,147	680	18,594	468,842	4,694	1,310	58,469	760	9,810	11,280	176
61	Stillman College	2,884	0	0	0	2,629	0	0	255	0	0	0	0
62	Fisk University	2,766	0	0	0	1,990	0	190	307	0	129	0	150
63	Morris College	2,735	0	0	0	2,735	0	0	0	0	0	0	0
64	Claflin College	2,720	0	0	0	2,690	30	0	0	0	0	0	0
65	Mary Holmes College	2,611	0	0	0	2,555	0	0	0	0	0	56	0
66	Cheyney Univ of Penn	2,604	0	0	0	2,604	0	0	0	0	0	0	0
67	Lane College	2,581	0	0	0	2,448	0	0	133	0	0	0	0
68	Lawson State Cmty College	2,540	0	0	0	2,540	0	0	0	0	0	0	0
69	Voorhees College	2,463	0	0	0	2,266	63	0	134	0	0	0	0
70	Bowie State University	2,365	0	0	0	2,301	0	0	4	0	60	0	0
Total 1st	70 institutions	658,031	57,147	680	18,594	493,600	4,787	1,500	59,302	760	9,999	11,336	326
71	Miles College	2,327	0	0	0	2,327	0	0	0	0	0	0	0
72	Talladega College	2,310	0	0	0	2,169	0	0	141	0	0	0	0
73	Oakwood College	2,242	0	0	0	2,135	0	0	107	0	0	0	0
74	Edward Waters College	2,240	0	0	0	1,905	0	0	335	0	0	0	0
75	Bishop St Comm Col	2,166	0	0	0	2,027	0	0	139	0	0	0	0
76	Philander Smith College	2,125	5	0	0	1,971	0	0	149	0	0	0	0
77	Paine College	1,946	0	0	0	1,926	0	20	0	0	0	0	0
78	Jarvis Christian College	1,854	0	0	0	1,795	0	0	59	0	0	0	0
79	Wiley College	1,667	0	0	0	1,565	0	0	47	0	0	55	0
80	Texas College	1,571	0	0	0	1,571	0	0	0	0	0	0	0
Total 1st	80 institutions	678,479	57,152	680	18,594	512,991	4,787	1,520	60,279	760	9,999	11,391	326
81	Paul Quinn College	1,552	0	0	0	1,527	0	0	25	0	0	0	0
82	Livingstone College	1,551	0	0	0	1,551	0	0	0	0	0	0	0
83	Huston-Tillotson College	1,540	0	0	0	1,540	0	0	0	0	0	0	0
84	Tranholm St Tech Col	1,418	0	0	0	1,418	0	0	0	0	0	0	0
85	Selma University	1,403	0	0	0	1,087	0	0	316	0	0	0	0
86	Barber-Scotia College	1,381	0	0	0	1,381	0	0	0	0	0	0	0
87	St Paul's Col (VA)	1,300	0	0	0	1,300	0	0	0	0	0	0	0
88	Concordia College	1,031	0	0	0	1,031	0	0	0	0	0	0	0
89	Arkansas Baptist College	980	0	0	0	980	0	0	0	0	0	0	0
90	Southwestn Christian Col	888	0	0	0	888	0	0	0	0	0	0	0
Total 1st	90 institutions	691,523	57,152	680	18,594	525,694	4,787	1,520	60,620	760	9,999	11,391	326
91	Allen University	734	0	0	0	734	0	0	0	0	0	0	0
92	Shorter College	638	0	0	0	638	0	0	0	0	0	0	0
93	Morristown College	350	0	0	0	350	0	0	0	0	0	0	0
94	Central State University	333	0	0	214	0	13	0	106	0	0	0	0
95	Prentiss Norm & Ind Inst	185	0	0	0	185	0	0	0	0	0	0	0
96	Hinds J Co Dist Utica Cam	101	0	0	0	101	0	0	0	0	0	0	0
97	Interdenomina Theol Ctr	76	0	0	0	76	0	0	0	0	0	0	0
Total 1st	97 institutions	693,940	57,152	680	18,808	527,778	4,800	1,520	60,726	760	9,999	11,391	326

1/ Includes DOT, AID, HUD, Labor, and NRC.

2/ Atlanta University (rank #21) and Clark College (rank #40) have merged to form Clark Atlanta University (rank #40), but NSF has changed only the name of "Clark College" to "Clark Atlanta University." Beginning in next year's publication, NSF will present merged data in just one entry-- "Clark Atlanta University."

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

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Table C-21. -- Federal obligations to systems of universities and colleges by agency: fiscal year 1989 1/

[Dollars in thousands]

Systems of universities and colleges (ranked by total Federal obligations)	Rank	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Total, all systems		4,919,520	293,600	42,410	353,340	1,511,895	213,393	34,105	1,736,208	24,490	179,608	496,368	34,103
University of California System	1	954,449	24,552	3,994	77,209	82,929	46,725	2,521	527,971	2,743	48,805	132,043	4,957
University of Texas System	2	325,096	267	239	40,302	40,580	17,132	963	192,624	522	10,395	20,783	1,289
University of Wisconsin System	3	282,308	16,552	2,522	9,932	94,080	15,050	1,325	99,478	497	9,771	31,989	1,112
State University of New York System	4	273,868	560	2,115	6,568	127,696	6,534	4,363	92,261	74	3,140	30,290	267
University of North Carolina System	5	246,583	27,256	1,692	14,317	62,168	2,844	5,564	102,228	449	6,211	19,266	4,588
State University System of Florida	6	209,425	17,833	2,570	38,687	56,250	17,267	1,637	48,738	779	4,819	19,098	1,747
University of Illinois System	7	199,919	18,607	1,582	23,939	26,583	12,660	2,040	87,344	431	3,884	20,279	2,570
City University of New York System	8	188,156	265	0	2,190	112,264	2,025	144	60,994	0	612	8,898	764
Columbia University System	9	184,510	0	0	11,534	16,345	6,773	53	112,806	908	3,944	29,986	2,161
Oregon State Higher Education System	10	170,413	19,875	2,672	8,459	40,390	24,645	1,416	50,353	1,664	2,578	17,467	894
Utah Higher Education System	11	169,146	5,071	0	43,379	49,726	5,374	1,043	50,688	1,957	1,620	9,527	761
Universities & State Col of Arizona System	12	159,330	6,765	287	11,487	36,273	13,043	842	48,574	1,759	18,001	20,988	1,311
University of Maryland System	13	136,860	10,306	3,211	14,475	21,467	6,941	3,452	44,566	5	13,152	17,878	1,407
California State University & Colleges System	14	135,497	186	214	4,030	97,311	1,865	692	13,971	1,390	5,355	10,468	15
University of Alabama System	15	118,543	147	229	8,417	15,177	377	0	74,612	275	14,653	4,021	635
Texas A&M University System	16	95,602	33,557	2,230	6,735	20,233	5,429	253	8,070	769	4,739	11,707	1,080
Louisiana State University System	17	88,162	11,384	1,673	2,385	21,865	15,837	948	26,220	1,744	685	5,421	0
University of Puerto Rico System	18	83,628	11,689	640	583	52,239	125	12	12,236	150	324	3,515	115
University of Hawaii System	19	81,225	6,572	9,221	16,666	11,813	1,737	0	13,445	676	6,095	12,426	2,574
University of Tennessee System	20	64,885	15,168	0	2,117	14,618	4,405	270	23,037	150	1,075	3,945	100
University of Missouri System	21	59,675	15,854	214	1,099	13,297	1,592	224	17,303	2,086	538	5,499	1,969
University of Arkansas System	22	54,620	15,809	0	586	24,554	1,177	374	10,198	164	167	1,469	122
State Univ & Cmty Col System of Tennessee	23	53,709	3,618	77	528	41,088	254	393	5,191	691	212	1,447	210
Inter American Univ of Puerto Rico System	24	53,017	0	0	0	52,738	0	0	221	0	0	58	0
University of Nebraska System	25	51,942	11,662	410	1,334	17,908	412	12	13,870	180	691	2,798	2,665
State System of Higher Education	26	43,650	0	0	0	43,161	0	37	244	0	0	208	0
Fundacion Educativa G Mendez System	27	35,757	0	0	0	35,710	0	0	0	0	0	47	0
University of Houston System	28	34,754	30	0	3,315	13,362	1,680	97	4,657	0	8,445	3,168	0
University of Maine System	29	34,194	5,296	2,097	176	22,396	0	716	1,181	363	297	1,672	0
State University System of Minnesota	30	32,398	0	0	0	28,703	0	937	2,512	0	0	246	0
Montana University System	31	30,835	5,538	146	259	16,407	44	817	3,091	740	272	3,095	426
Southern Illinois University System	32	29,220	503	0	950	22,052	69	0	3,957	338	157	1,194	0
University of Nevada System	33	25,212	2,701	1,386	128	8,846	123	2,561	4,525	1,647	402	2,865	28
University of Alaska System	34	24,213	2,493	2,467	754	5,396	704	0	1,061	786	3,383	7,169	0
Massachusetts Community College System	35	22,604	0	0	0	22,174	0	0	408	0	0	22	0
Virginia Community College System	36	19,399	0	0	0	19,375	0	0	0	0	0	24	0
University of New Hampshire System	37	18,160	3,155	259	683	3,138	420	319	1,765	270	4,896	3,174	81
Minnesota Community College System	38	17,977	0	0	0	17,573	0	0	110	0	0	294	0
Massachusetts State College System	39	13,145	0	0	0	12,893	30	0	0	0	0	222	0
Los Angeles Community College System	40	12,779	0	0	0	12,128	0	0	196	0	0	455	0
Maricopa County Community College System	41	10,646	0	0	0	10,646	0	0	0	0	0	0	0
Washington State Cmty Col District 17 System	42	8,365	20	0	0	8,345	0	0	0	0	0	0	0
University of South Texas System	43	7,772	120	0	60	7,050	100	0	273	0	119	50	0
University of South Dakota System	44	6,815	0	0	0	5,281	0	0	858	171	47	270	188
Community College of Denver System	45	4,949	0	0	0	4,869	0	80	0	0	0	0	0

See explanatory material at end of table.

(Continued)

Table C-21. -- Federal obligations to systems of universities and colleges by agency: fiscal year 1989 1/

[Dollars in thousands]

(Page 2 of 2)

Systems of universities and colleges (ranked by total Federal obligations)	Rank	Total	USDA	Com	DOD	Ed	DOE	EPA	HHS	Int	NASA	NSF	Other 2/
Claremont Colleges System ...	46	4,646	1	0	0	3,604	0	0	121	0	58	862	0
Peralta Community College System	47	4,329	0	0	0	4,171	0	0	158	0	0	0	0
Metro Cmty Col Administrative Center System	48	3,830	0	0	0	3,830	0	0	0	0	0	0	0
Los Rios Community College System	49	3,677	0	0	0	3,677	0		0	0	0	0	0
Dallas County Community College System	50	3,487	0	0	0	3,487	0	0	0	0	0	0	0
Mesa County Junior College District System	51	3,165	0	0	0	3,148	0	0	17	0	0	0	0
Illinois Eastern Community College System	52	2,916	0	0	0	2,826	0	0	90	0	0	0	0
San Jose Community College System	53	2,843	0	0	0	2,843	0	0	0	0	0	0	0
San Mateo Community College System	54	2,379	0	0	0	2,379	0	0	0	0	0	0	0
San Diego District Community Colleges System	55	2,215	0	0	0	2,215	0	0	0	0	0	0	0
Contra Costa Community College District System ...	56	2,200	0	0	0	2,200	0	0	0	0	0	0	0
Foothill-Deanza Community Col District System	57	2,077	0	0	0	2,011	0	0	0	0	66	0	0
Kern Community College District System	58	2,065	0	0	0	2,065	0	0	0	0	0	0	0
Coast Community College District System	59	1,936	0	0	0	1,936	0	0	0	0	0	0	0
San Jacinto College System ..	60	1,552	0	0	0	1,552	0	0	0	0	0	0	0
California School of Prof Psychology System	61	1,185	0	0	0	0	0	0	1,185	0	0	0	0
University of Massachussetts System	62	626	188	263	0	0	0	0	0	112	0	0	63
Western State University College of Law System	63	552	0	0	0	552	0	0	0	0	0	0	0
Ventura County Community Col District System	64	367	0	0	0	302	0	0	0	0	0	65	0
Indiana University Systems ..	65	61	0	0	57	0	0	0	0	0	0	0	4

1/ Includes obligations to every individual institution included within each system.

2/ Includes DOT, AID, HUD, Labor, and NRC.

SOURCE: National Science Foundation/SRS, Federal Support to Universities, Colleges, and Nonprofit Institutions, Fiscal Year 1989

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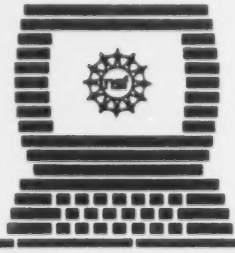
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